Table III

	Atom	Atom Type	Residue		#	X	Y	Z	B	Occ
ATOM	1	N	MET	A	1	15.398	13.285	-2.442	1.00	51.19
ATOM	5	CA	MET	A	1	14.789	12.112	-3.100	1.00	50.26
ATOM	6	CB	MET	A	1	13.488	12.499	-3.787	1.00	48.58
ATOM	7	CG	MET	A	1	12.513	13.187	-2.840	1.00	48.82
ATOM	8	SD	MET	A	1	10.963	13.735	-3.590	1.00	48.56
ATOM	9	CE	MET	A	1	10.258	14.614	-2.177	1.00	48.52
ATOM	10	C	MET	A	1	15.740	11.549	-4.150	1.00	49.68
ATOM	11	O	MET	A	1	16.289	12.312	-4.954	1.00	49.45
ATOM	12	N	GLN	A	2	15.955	10.244	-4.112	1.00	49.48
ATOM	14	CA	GLN	A	2	16.809	9.589	-5.115	1.00	48.97
ATOM	15	CB	GLN	A	2	18.283	9.898	-4.815	1.00	48.89
ATOM	16	CG	GLN	A	2	19.293	9.196	-5.738	1.00	48.48
ATOM	17	CD	GLN	A	2	19.133	9.555	-7.225	1.00	47.98
ATOM	18	OE1	GLN	A	2	18.028	9.792	-7.725	1.00	47.57
ATOM	19	NE2	GLN	A	2	20.227	9.435	-7.952	1.00	48.08
ATOM	22	C	GLN	A	2	16.567	8.076	-5.192	1.00	48.31
ATOM	23	O	GLN	A	2	16.528	7.372	-4.174	1.00	48.16
ATOM	24	N	GLY	A	3	16.442	7.592	-6.417	1.00	48.01
ATOM	26	CA	GLY	A	3	16.245	6.173	-6.683	1.00	47.41
ATOM	27	C	GLY	A	3	17.482	5.483	-7.254	1.00	46.87
ATOM	28	O	GLY	A	3	18.162	5.975	-8.166	1.00	46.65
ATOM	29	N	GLN	A	4	17.791	4.349	-6.657	1.00	46.75
ATOM	31	CA	GLN	A	4	18.825	3.454	-7.179	1.00	46.31
ATOM	32	CB	GLN	A	4	19.438	2.741	-5.984	1.00	46.49
ATOM	33	CG	GLN	A	4	20.569	1.810	-6.385	1.00	47.05
ATOM	34	CD	GLN	A	4	20.529	0.605	-5.459	1.00	47.56
ATOM	35	OE1	GLN	A	4	21.435	0.388	-4.647	1.00	48.03
ATOM	36	NE2	GLN	A	4	19.465	-0.166	-5.603	1.00	47.50
ATOM	39	C	GLN	A	4	18.192	2.419	-8.114	1.00	45.37
ATOM	40	O	GLN	A	4	17.816	1.319	-7.683	1.00	45.03
ATOM	41	N	GLY	A	5	18.153	2.742	-9.395	1.00	45.01
ATOM	43	CA	GLY	A	5	17.485	1.863	-10.363	1.00	44.13
ATOM	44	C	GLY	A	5	17.931	2.078	-11.807	1.00	43.80
ATOM	45	O	GLY	A	5	17.182	2.627	-12.630	1.00	43.85
ATOM	46	N	ARG	A	6	18.987	1.366	-12.159	1.00	44.78
ATOM	48	CA	ARG	A	6	19.560	1.419	-13.511	1.00	44.72
ATOM	49	CB	ARG	A	6	20.840	0.577	-13.455	1.00	45.73
ATOM	50	CG	ARG	A	6	21.653	0.544	-14.748	1.00	46.28
ATOM	51	CD	ARG	A	6	21.214	-0.551	-15.717	1.00	46.92
ATOM	52	NE	ARG	A	6	21.341	-1.878	-15.096	1.00	47.35
ATOM	53	CZ	ARG	A	6	21.802	-2.945	-15.751	1.00	47.43
ATOM	54	NH1	ARG	A	6	22.185	-2.829	-17.025	1.00	47.60
ATOM	55	NH2	ARG	A	6	21.883	-4.125	-	1.00	47.39

Table III (cont.)

								15.132		
ATOM	56	C	ARG	A	6	18.570	0.859	-14.532	1.00	43.76
ATOM	57	O	ARG	A	6	18.222	1.569	-15.490	1.00	43.44
ATOM	58	N	ARG	A	7	17.854	-0.164	-14.079	1.00	43.34
ATOM	60	CA	ARG	A	7	16.899	-0.917	-14.899	1.00	42.46
ATOM	61	CB	ARG	A	7	16.641	-2.243	-14.194	1.00	43.40
ATOM	62	CG	ARG	A	7	17.924	-2.971	-13.819	1.00	43.50
ATOM	63	CD	ARG	A	7	17.598	-4.239	-13.038	1.00	43.72
ATOM	64	NE	ARG	A	7	18.816	-4.938	-12.600	1.00	43.80
ATOM	65	CZ	ARG	A	7	19.090	-5.179	-11.316	1.00	43.65
ATOM	66	NH1	ARG	A	7	18.302	-4.680	-10.360	1.00	43.77
ATOM	67	NH2	ARG	A	7	20.196	-5.849	-10.985	1.00	43.45
ATOM	68	C	ARG	A	7	15.539	-0.239	-15.071	1.00	41.88
ATOM	69	O	ARG	A	7	14.728	-0.728	-15.865	1.00	42.14
ATOM	70	N	ARG	A	8	15.292	0.874	-14.395	1.00	41.14
ATOM	72	CA	ARG	A	8	13.995	1.533	-14.557	1.00	40.60
ATOM	73	CB	ARG	A	8	13.541	2.104	-13.214	1.00	40.61
ATOM	74	CG	ARG	A	8	14.151	3.454	-12.848	1.00	40.15
ATOM	75	CD	ARG	A	8	13.879	3.761	-11.379	1.00	39.95
ATOM	76	NE	ARG	A	8	13.957	5.197	-11.056	1.00	40.56
ATOM	77	CZ	ARG	A	8	15.044	5.843	-10.627	1.00	41.08
ATOM	78	NH1	ARG	A	8	14.906	6.999	-9.975	1.00	41.39
ATOM	79	NH2	ARG	A	8	16.212	5.210	-10.572	1.00	41.34
ATOM	80	C	ARG	A	8	14.071	2.601	-15.647	1.00	39.99
ATOM	81	O	ARG	A	8	13.045	3.140	-16.077	1.00	39.81
ATOM	82	N	GLY	A	9	15.272	2.814	-16.163	1.00	39.73
ATOM	84	CA	GLY	A	9	15.471	3.775	-17.243	1.00	39.19
ATOM	85	C	GLY	A	9	16.382	4.900	-16.789	1.00	38.79
ATOM	86	O	GLY	A	9	16.113	6.082	-17.041	1.00	38.36
ATOM	87	N	THR	A	10	17.431	4.530	-16.078	1.00	39.03
ATOM	89	CA	THR	A	10	18.377	5.532	-	1.00	38.73

Table III (cont.)

								15.590		
ATOM	90	CB	THR	A	10	18.584	5.253	-14.107	1.00	39.28
ATOM	91	OG1	THR	A	10	17.312	5.377	-13.488	1.00	39.82
ATOM	92	CG2	THR	A	10	19.536	6.238	-13.440	1.00	39.49
ATOM	93	C	THR	A	10	19.699	5.477	-16.353	1.00	38.15
ATOM	94	O	THR	A	10	20.441	6.463	-16.406	1.00	38.33
ATOM	95	N	CYS	A	11	19.936	4.357	-17.016	1.00	37.53
ATOM	97	CA	CYS	A	11	21.187	4.185	-17.763	1.00	36.98
ATOM	98	CB	CYS	A	11	21.704	2.781	-17.468	1.00	37.21
ATOM	99	SG	CYS	A	11	23.381	2.392	-18.024	1.00	37.18
ATOM	100	C	CYS	A	11	21.015	4.373	-19.274	1.00	36.77
ATOM	101	O	CYS	A	11	21.989	4.257	-20.025	1.00	36.52
ATOM	102	N	LYS	A	12	19.804	4.660	-19.722	1.00	37.20
ATOM	104	CA	LYS	A	12	19.569	4.726	-21.169	1.00	37.21
ATOM	105	CB	LYS	A	12	18.372	3.848	-21.522	1.00	37.42
ATOM	106	CG	LYS	A	12	17.097	4.333	-20.845	1.00	37.48
ATOM	107	CD	LYS	A	12	15.883	3.547	-21.326	1.00	38.13
ATOM	108	CE	LYS	A	12	14.599	4.079	-20.702	1.00	38.28
ATOM	109	NZ	LYS	A	12	13.424	3.339	-21.186	1.00	38.36
ATOM	110	C	LYS	A	12	19.323	6.148	-21.670	1.00	36.94
ATOM	111	O	LYS	A	12	18.893	7.025	-20.918	1.00	36.54
ATOM	112	N	ASP	A	13	19.566	6.316	-22.963	1.00	37.27
ATOM	114	CA	ASP	A	13	19.263	7.542	-23.737	1.00	37.15
ATOM	115	CB	ASP	A	13	17.796	7.492	-24.158	1.00	37.99
ATOM	116	CG	ASP	A	13	17.537	6.285	-25.053	1.00	38.69
ATOM	117	OD1	ASP	A	13	17.088	5.272	-24.533	1.00	39.33
ATOM	118	OD2	ASP	A	13	17.786	6.402	-26.245	1.00	38.66
ATOM	119	C	ASP	A	13	19.536	8.871	-23.028	1.00	36.89
ATOM	120	O	ASP	A	13	20.506	8.992	-22.272	1.00	37.25
ATOM	121	N	ILE	A	14	18.749	9.863	-23.436	1.00	36.29

Table III (cont.)

ATOM	123	CA	ILE	A	14	18.784	11.283	-23.004	1.00	36.08
ATOM	124	CB	ILE	A	14	17.594	11.554	-22.087	1.00	36.68
ATOM	125	CG2	ILE	A	14	17.672	12.935	-21.442	1.00	36.42
ATOM	126	CG1	ILE	A	14	16.300	11.424	-22.883	1.00	37.41
ATOM	127	CD1	ILE	A	14	15.092	11.878	-22.071	1.00	38.01
ATOM	128	C	ILE	A	14	20.089	11.781	-22.384	1.00	35.41
ATOM	129	O	ILE	A	14	20.477	11.412	-21.270	1.00	35.11
ATOM	130	N	PHE	A	15	20.678	12.723	-23.108	1.00	35.24
ATOM	132	CA	PHE	A	15	21.982	13.323	-22.792	1.00	34.77
ATOM	133	CB	PHE	A	15	22.080	14.603	-23.618	1.00	35.12
ATOM	134	CG	PHE	A	15	23.432	15.309	-23.595	1.00	35.04
ATOM	135	CD1	PHE	A	15	24.604	14.583	-23.764	1.00	35.07
ATOM	136	CE1	PHE	A	15	25.832	15.232	-23.748	1.00	35.04
ATOM	137	CZ	PHE	A	15	25.887	16.608	-23.570	1.00	35.02
ATOM	138	CE2	PHE	A	15	24.715	17.336	-23.410	1.00	34.98
ATOM	139	CD2	PHE	A	15	23.488	16.686	-23.426	1.00	34.98
ATOM	140	C	PHE	A	15	22.145	13.648	-21.308	1.00	34.03
ATOM	141	O	PHE	A	15	21.313	14.340	-20.704	1.00	33.59
ATOM	142	N	CYS	A	16	23.133	12.977	-20.730	1.00	33.95
ATOM	144	CA	CYS	A	16	23.581	13.118	-19.330	1.00	33.34
ATOM	145	CB	CYS	A	16	23.688	14.595	-18.951	1.00	33.26
ATOM	146	SG	CYS	A	16	24.914	15.560	-19.865	1.00	33.25
ATOM	147	C	CYS	A	16	22.733	12.386	-18.278	1.00	32.74
ATOM	148	O	CYS	A	16	23.314	11.677	-17.447	1.00	32.44
ATOM	149	N	SER	A	17	21.415	12.532	-18.300	1.00	32.60
ATOM	151	CA	SER	A	17	20.591	11.978	-17.211	1.00	32.03
ATOM	152	CB	SER	A	17	20.891	12.787	-15.950	1.00	32.30
ATOM	153	OG	SER	A	17	21.022	14.156	-16.322	1.00	32.53
ATOM	154	C	SER	A	17	19.084	11.984	-17.487	1.00	32.04
ATOM	155	O	SER	A	17	18.593	11.378	-	1.00	32.34

Table III (cont.)

								18.447		
ATOM	156	N	LYS	A	18	18.369	12.606	-16.558	1.00	33.24
ATOM	158	CA	LYS	A	18	16.905	12.756	-16.602	1.00	32.73
ATOM	159	CB	LYS	A	18	16.501	13.572	-17.824	1.00	33.18
ATOM	160	CG	LYS	A	18	17.080	14.978	-17.749	1.00	33.24
ATOM	161	CD	LYS	A	18	16.657	15.820	-18.945	1.00	33.87
ATOM	162	CE	LYS	A	18	17.230	17.230	-18.853	1.00	34.03
ATOM	163	NZ	LYS	A	18	16.800	18.049	-19.998	1.00	34.59
ATOM	164	C	LYS	A	18	16.170	11.422	-16.584	1.00	32.46
ATOM	165	O	LYS	A	18	16.295	10.659	-15.619	1.00	32.34
ATOM	166	N	MET	A	19	15.468	11.137	-17.670	1.00	32.43
ATOM	168	CA	MET	A	19	14.544	9.991	-17.789	1.00	32.25
ATOM	169	CB	MET	A	19	15.269	8.820	-18.433	1.00	33.06
ATOM	170	CG	MET	A	19	15.850	9.218	-19.778	1.00	33.76
ATOM	171	SD	MET	A	19	15.922	7.897	-21.003	1.00	34.22
ATOM	172	CE	MET	A	19	14.148	7.643	-21.234	1.00	34.73
ATOM	173	C	MET	A	19	13.934	9.527	-16.469	1.00	32.00
ATOM	174	O	MET	A	19	13.467	10.345	-15.661	1.00	32.06
ATOM	175	N	ALA	A	20	14.101	8.249	-16.170	1.00	31.80
ATOM	177	CA	ALA	A	20	13.431	7.674	-14.999	1.00	31.62
ATOM	178	CB	ALA	A	20	13.386	6.164	-15.140	1.00	31.45
ATOM	179	C	ALA	A	20	14.059	8.048	-13.658	1.00	30.71
ATOM	180	O	ALA	A	20	13.333	8.045	-12.657	1.00	30.35
ATOM	181	N	SER	A	21	15.235	8.662	-13.683	1.00	30.45
ATOM	183	CA	SER	A	21	15.855	9.132	-12.442	1.00	29.65
ATOM	184	CB	SER	A	21	17.371	9.206	-12.577	1.00	29.99
ATOM	185	OG	SER	A	21	17.709	10.386	-13.291	1.00	29.93
ATOM	186	C	SER	A	21	15.307	10.501	-12.037	1.00	29.12
ATOM	187	O	SER	A	21	15.765	11.067	-11.043	1.00	28.77
ATOM	188	N	TYR	A	22	14.426	11.070	-12.845	1.00	29.15

Table III (cont.)

ATOM	190	CA	TYR	A	22	13.652	12.235	-12.410	1.00	28.75
ATOM	191	CB	TYR	A	22	13.788	13.365	-13.429	1.00	28.70
ATOM	192	CG	TYR	A	22	15.018	14.267	-13.299	1.00	28.83
ATOM	193	CD1	TYR	A	22	16.292	13.734	-13.147	1.00	29.48
ATOM	194	CE1	TYR	A	22	17.391	14.574	-13.034	1.00	29.69
ATOM	195	CZ	TYR	A	22	17.213	15.950	-13.077	1.00	29.26
ATOM	196	OH	TYR	A	22	18.302	16.786	-12.968	1.00	29.57
ATOM	197	CE2	TYR	A	22	15.943	16.489	-13.231	1.00	28.61
ATOM	198	CD2	TYR	A	22	14.845	15.645	-13.344	1.00	28.39
ATOM	199	C	TYR	A	22	12.181	11.853	-12.280	1.00	28.19
ATOM	200	O	TYR	A	22	11.509	12.233	-11.307	1.00	27.76
ATOM	201	N	LEU	A	23	11.777	10.910	-13.120	1.00	28.27
ATOM	203	CA	LEU	A	23	10.363	10.512	-13.228	1.00	27.85
ATOM	204	CB	LEU	A	23	10.153	9.796	-14.558	1.00	28.59
ATOM	205	CG	LEU	A	23	10.320	10.731	-15.750	1.00	28.61
ATOM	206	CD1	LEU	A	23	10.253	9.952	-17.061	1.00	29.14
ATOM	207	CD2	LEU	A	23	9.276	11.843	-15.732	1.00	28.27
ATOM	208	C	LEU	A	23	9.855	9.602	-12.111	1.00	27.38
ATOM	209	O	LEU	A	23	8.636	9.458	-11.966	1.00	26.72
ATOM	210	N	TYR	A	24	10.740	9.103	-11.263	1.00	27.81
ATOM	212	CA	TYR	A	24	10.310	8.300	-10.111	1.00	27.64
ATOM	213	CB	TYR	A	24	11.392	7.268	-9.828	1.00	28.21
ATOM	214	CG	TYR	A	24	10.974	6.095	-8.948	1.00	28.08
ATOM	215	CD1	TYR	A	24	11.905	5.494	-8.113	1.00	28.38
ATOM	216	CE1	TYR	A	24	11.531	4.421	-7.316	1.00	28.36
ATOM	217	CZ	TYR	A	24	10.227	3.951	-7.356	1.00	28.03
ATOM	218	OH	TYR	A	24	9.845	2.938	-6.504	1.00	28.10
ATOM	219	CE2	TYR	A	24	9.296	4.543	-8.197	1.00	27.70
ATOM	220	CD2	TYR	A	24	9.672	5.614	-8.996	1.00	27.73
ATOM	221	C	TYR	A	24	10.041	9.162	-8.865	1.00	27.22
ATOM	222	O	TYR	A	24	9.989	8.641	-7.745	1.00	27.04
ATOM	223	N	GLY	A	25	9.915	10.467	-9.049	1.00	27.18
ATOM	225	CA	GLY	A	25	9.673	11.366	-7.922	1.00	26.90
ATOM	226	C	GLY	A	25	11.001	11.758	-7.294	1.00	26.20
ATOM	227	O	GLY	A	25	11.223	11.567	-6.092	1.00	25.81
ATOM	228	N	VAL	A	26	11.902	12.243	-8.129	1.00	26.15
ATOM	230	CA	VAL	A	26	13.225	12.643	-7.641	1.00	25.61

Table III (cont.)

ATOM	231	CB	VAL	A	26	14.291	11.883	-8.423	1.00	26.41
ATOM	232	CG1	VAL	A	26	15.697	12.336	-8.049	1.00	26.69
ATOM	233	CG2	VAL	A	26	14.147	10.379	-8.231	1.00	26.42
ATOM	234	C	VAL	A	26	13.416	14.148	-7.797	1.00	25.10
ATOM	235	O	VAL	A	26	13.750	14.631	-8.886	1.00	24.61
ATOM	236	N	LEU	A	27	13.141	14.875	-6.724	1.00	25.30
ATOM	238	CA	LEU	A	27	13.296	16.339	-6.721	1.00	24.97
ATOM	239	CB	LEU	A	27	12.039	17.034	-7.237	1.00	25.66
ATOM	240	CG	LEU	A	27	11.990	17.123	-8.758	1.00	26.01
ATOM	241	CD1	LEU	A	27	10.728	17.838	-9.219	1.00	26.79
ATOM	242	CD2	LEU	A	27	13.229	17.824	-9.307	1.00	25.84
ATOM	243	C	LEU	A	27	13.601	16.894	-5.334	1.00	24.45
ATOM	244	O	LEU	A	27	13.017	16.487	-4.323	1.00	24.15
ATOM	245	N	PHE	A	28	14.463	17.895	-5.323	1.00	24.45
ATOM	247	CA	PHE	A	28	14.796	18.618	-4.091	1.00	24.08
ATOM	248	CB	PHE	A	28	16.252	19.078	-4.203	1.00	24.22
ATOM	249	CG	PHE	A	28	16.754	20.007	-3.096	1.00	24.07
ATOM	250	CD1	PHE	A	28	16.812	19.571	-1.779	1.00	24.31
ATOM	251	CE1	PHE	A	28	17.271	20.426	-0.786	1.00	24.27
ATOM	252	CZ	PHE	A	28	17.677	21.714	-1.110	1.00	24.01
ATOM	253	CE2	PHE	A	28	17.630	22.147	-2.427	1.00	23.74
ATOM	254	CD2	PHE	A	28	17.172	21.292	-3.420	1.00	23.76
ATOM	255	C	PHE	A	28	13.853	19.809	-3.923	1.00	23.38
ATOM	256	O	PHE	A	28	14.109	20.890	-4.466	1.00	22.93
ATOM	257	N	ALA	A	29	12.739	19.577	-3.244	1.00	23.41
ATOM	259	CA	ALA	A	29	11.760	20.650	-3.022	1.00	22.89
ATOM	260	CB	ALA	A	29	11.077	20.995	-4.343	1.00	23.75
ATOM	261	C	ALA	A	29	10.686	20.270	-2.009	1.00	22.80
ATOM	262	O	ALA	A	29	10.338	19.095	-1.852	1.00	22.68
ATOM	263	N	VAL	A	30	10.163	21.304	-1.364	1.00	23.63
ATOM	265	CA	VAL	A	30	9.004	21.219	-0.450	1.00	23.70
ATOM	266	CB	VAL	A	30	7.806	20.619	-1.189	1.00	23.97
ATOM	267	CG1	VAL	A	30	6.649	20.312	-0.241	1.00	24.62
ATOM	268	CG2	VAL	A	30	7.343	21.542	-2.313	1.00	23.77
ATOM	269	C	VAL	A	30	9.279	20.458	0.849	1.00	23.16
ATOM	270	O	VAL	A	30	9.463	19.235	0.863	1.00	23.04
ATOM	271	N	GLY	A	31	9.271	21.215	1.936	1.00	22.80
ATOM	273	CA	GLY	A	31	9.406	20.648	3.280	1.00	22.28
ATOM	274	C	GLY	A	31	8.442	21.328	4.252	1.00	21.88
ATOM	275	O	GLY	A	31	7.225	21.116	4.214	1.00	21.64
ATOM	276	N	LEU	A	32	9.007	22.129	5.138	1.00	21.78
ATOM	278	CA	LEU	A	32	8.207	22.877	6.117	1.00	21.43
ATOM	279	CB	LEU	A	32	8.544	22.349	7.515	1.00	22.42
ATOM	280	CG	LEU	A	32	7.599	22.865	8.597	1.00	22.76
ATOM	281	CD1	LEU	A	32	6.170	22.410	8.334	1.00	23.25
ATOM	282	CD2	LEU	A	32	8.060	22.407	9.976	1.00	22.89
ATOM	283	C	LEU	A	32	8.547	24.365	6.014	1.00	20.99
ATOM	284	O	LEU	A	32	7.801	25.152	5.414	1.00	20.51
ATOM	285	N	CYS	A	33	9.712	24.716	6.533	1.00	21.11
ATOM	287	CA	CYS	A	33	10.181	26.103	6.497	1.00	20.83
ATOM	288	CB	CYS	A	33	10.731	26.453	7.873	1.00	21.69
ATOM	289	SG	CYS	A	33	9.540	26.401	9.225	1.00	21.95
ATOM	290	C	CYS	A	33	11.280	26.263	5.454	1.00	20.22
ATOM	291	O	CYS	A	33	12.394	25.764	5.641	1.00	20.04
ATOM	292	N	ALA	A	34	10.950	26.901	4.340	1.00	20.02
ATOM	294	CA	ALA	A	34	11.963	27.127	3.294	1.00	19.55
ATOM	295	CB	ALA	A	34	12.020	25.927	2.347	1.00	20.28
ATOM	296	C	ALA	A	34	11.870	28.478	2.542	1.00	19.00

Table III (cont.)

ATOM	297	O	ALA	A	34	12.598	29.398	2.938	1.00	18.64
ATOM	298	N	PRO	A	35	10.921	28.691	1.630	1.00	19.10
ATOM	299	CA	PRO	A	35	11.203	29.563	0.471	1.00	18.67
ATOM	300	CB	PRO	A	35	9.981	29.495	-0.396	1.00	18.52
ATOM	301	CG	PRO	A	35	8.995	28.499	0.185	1.00	18.81
ATOM	302	CD	PRO	A	35	9.668	27.947	1.430	1.00	19.17
ATOM	303	C	PRO	A	35	11.525	31.010	0.840	1.00	18.54
ATOM	304	O	PRO	A	35	12.696	31.356	1.047	1.00	18.21
ATOM	305	N	ILE	A	36	10.488	31.759	1.181	1.00	19.59
ATOM	307	CA	ILE	A	36	10.641	33.187	1.498	1.00	19.45
ATOM	308	CB	ILE	A	36	9.262	33.831	1.382	1.00	19.67
ATOM	309	CG2	ILE	A	36	9.274	35.299	1.805	1.00	19.81
ATOM	310	CG1	ILE	A	36	8.739	33.712	-0.043	1.00	20.01
ATOM	311	CD1	ILE	A	36	9.622	34.488	-1.016	1.00	20.78
ATOM	312	C	ILE	A	36	11.232	33.429	2.891	1.00	19.16
ATOM	313	O	ILE	A	36	11.830	34.483	3.116	1.00	19.14
ATOM	314	N	TYR	A	37	11.370	32.359	3.656	1.00	19.07
ATOM	316	CA	TYR	A	37	11.889	32.423	5.020	1.00	18.90
ATOM	317	CB	TYR	A	37	11.235	31.245	5.735	1.00	19.62
ATOM	318	CG	TYR	A	37	11.389	31.176	7.249	1.00	20.13
ATOM	319	CD1	TYR	A	37	11.392	32.330	8.019	1.00	20.53
ATOM	320	CE1	TYR	A	37	11.519	32.240	9.398	1.00	21.08
ATOM	321	CZ	TYR	A	37	11.632	30.996	10.000	1.00	21.23
ATOM	322	OH	TYR	A	37	11.783	30.899	11.364	1.00	21.89
ATOM	323	CE2	TYR	A	37	11.615	29.843	9.233	1.00	20.85
ATOM	324	CD2	TYR	A	37	11.488	29.934	7.857	1.00	20.30
ATOM	325	C	TYR	A	37	13.418	32.291	5.031	1.00	18.56
ATOM	326	O	TYR	A	37	14.058	32.505	6.068	1.00	18.70
ATOM	327	N	CYS	A	38	13.973	31.887	3.897	1.00	18.26
ATOM	329	CA	CYS	A	38	15.424	31.862	3.711	1.00	18.03
ATOM	330	CB	CYS	A	38	15.805	30.492	3.156	1.00	18.35
ATOM	331	SG	CYS	A	38	17.572	30.172	2.943	1.00	19.04
ATOM	332	C	CYS	A	38	15.860	32.949	2.731	1.00	17.59
ATOM	333	O	CYS	A	38	17.037	33.330	2.693	1.00	17.59
ATOM	334	N	VAL	A	39	14.908	33.454	1.960	1.00	17.35
ATOM	336	CA	VAL	A	39	15.210	34.551	1.035	1.00	17.03
ATOM	337	CB	VAL	A	39	14.194	34.530	-0.105	1.00	17.39
ATOM	338	CG1	VAL	A	39	14.333	35.745	-1.018	1.00	17.82
ATOM	339	CG2	VAL	A	39	14.314	33.244	-0.913	1.00	17.41
ATOM	340	C	VAL	A	39	15.149	35.880	1.781	1.00	16.57
ATOM	341	O	VAL	A	39	15.960	36.786	1.549	1.00	16.13
ATOM	342	N	SER	A	40	14.231	35.949	2.726	1.00	16.82
ATOM	344	CA	SER	A	40	14.179	37.070	3.654	1.00	16.58
ATOM	345	CB	SER	A	40	12.721	37.433	3.889	1.00	17.10
ATOM	346	OG	SER	A	40	12.109	37.609	2.621	1.00	17.63
ATOM	347	C	SER	A	40	14.804	36.625	4.965	1.00	16.18
ATOM	348	O	SER	A	40	14.580	35.489	5.400	1.00	16.02
ATOM	349	N	PRO	A	41	15.636	37.477	5.538	1.00	16.16
ATOM	350	CA	PRO	A	41	16.177	37.231	6.876	1.00	15.95
ATOM	351	CB	PRO	A	41	17.273	38.241	7.028	1.00	16.47
ATOM	352	CG	PRO	A	41	17.185	39.250	5.894	1.00	16.77
ATOM	353	CD	PRO	A	41	16.067	38.763	4.989	1.00	16.71
ATOM	354	C	PRO	A	41	15.114	37.434	7.957	1.00	15.51
ATOM	355	O	PRO	A	41	14.924	38.547	8.457	1.00	15.39
ATOM	356	N	ALA	A	42	14.424	36.364	8.300	1.00	15.56
ATOM	358	CA	ALA	A	42	13.462	36.422	9.397	1.00	15.32
ATOM	359	CB	ALA	A	42	12.173	35.720	8.986	1.00	15.56
ATOM	360	C	ALA	A	42	14.074	35.757	10.620	1.00	15.35

Table III (cont.)

ATOM	361	O	ALA	A	42	15.113	36.201	11.123	1.00	15.57
ATOM	362	N	ASN	A	43	13.442	34.692	11.080	1.00	15.19
ATOM	364	CA	ASN	A	43	13.969	33.959	12.235	1.00	15.22
ATOM	365	CB	ASN	A	43	12.840	33.244	12.961	1.00	15.86
ATOM	366	CG	ASN	A	43	11.718	34.223	13.290	1.00	15.73
ATOM	367	OD1	ASN	A	43	11.957	35.352	13.733	1.00	15.55
ATOM	368	ND2	ASN	A	43	10.500	33.783	13.031	1.00	15.89
ATOM	371	C	ASN	A	43	15.024	32.956	11.791	1.00	15.19
ATOM	372	O	ASN	A	43	14.746	31.882	11.237	1.00	14.96
ATOM	373	N	ALA	A	44	16.258	33.361	12.016	1.00	15.41
ATOM	375	CA	ALA	A	44	17.414	32.551	11.648	1.00	15.49
ATOM	376	CB	ALA	A	44	18.618	33.479	11.534	1.00	16.78
ATOM	377	C	ALA	A	44	17.689	31.461	12.680	1.00	14.95
ATOM	378	O	ALA	A	44	17.239	31.539	13.828	1.00	14.99
ATOM	379	N	PRO	A	45	18.323	30.397	12.217	1.00	14.51
ATOM	380	CA	PRO	A	45	18.417	30.065	10.794	1.00	14.09
ATOM	381	CB	PRO	A	45	19.749	29.386	10.732	1.00	15.04
ATOM	382	CG	PRO	A	45	19.991	28.754	12.102	1.00	15.75
ATOM	383	CD	PRO	A	45	18.914	29.328	13.016	1.00	15.56
ATOM	384	C	PRO	A	45	17.366	29.040	10.370	1.00	13.14
ATOM	385	O	PRO	A	45	17.726	28.150	9.594	1.00	12.61
ATOM	386	N	SER	A	46	16.093	29.241	10.684	1.00	12.99
ATOM	388	CA	SER	A	46	15.135	28.120	10.687	1.00	12.17
ATOM	389	CB	SER	A	46	13.896	28.570	11.446	1.00	12.36
ATOM	390	OG	SER	A	46	14.304	29.125	12.688	1.00	13.04
ATOM	391	C	SER	A	46	14.710	27.579	9.315	1.00	11.42
ATOM	392	O	SER	A	46	14.251	26.433	9.244	1.00	10.99
ATOM	393	N	ALA	A	47	15.008	28.290	8.241	1.00	11.41
ATOM	395	CA	ALA	A	47	14.719	27.767	6.902	1.00	10.80
ATOM	396	CB	ALA	A	47	14.344	28.923	5.995	1.00	11.50
ATOM	397	C	ALA	A	47	15.892	26.992	6.294	1.00	10.75
ATOM	398	O	ALA	A	47	15.772	26.447	5.193	1.00	10.39
ATOM	399	N	TYR	A	48	17.013	26.957	6.995	1.00	12.04
ATOM	401	CA	TYR	A	48	18.177	26.175	6.553	1.00	11.89
ATOM	402	CB	TYR	A	48	19.448	26.926	6.935	1.00	12.88
ATOM	403	CG	TYR	A	48	20.719	26.229	6.463	1.00	13.41
ATOM	404	CD1	TYR	A	48	20.842	25.842	5.134	1.00	13.91
ATOM	405	CE1	TYR	A	48	21.991	25.194	4.703	1.00	14.50
ATOM	406	CZ	TYR	A	48	23.016	24.938	5.603	1.00	14.60
ATOM	407	OH	TYR	A	48	24.103	24.194	5.203	1.00	15.31
ATOM	408	CE2	TYR	A	48	22.904	25.338	6.929	1.00	14.16
ATOM	409	CD2	TYR	A	48	21.753	25.985	7.359	1.00	13.55
ATOM	410	C	TYR	A	48	18.251	24.717	7.075	1.00	11.54
ATOM	411	O	TYR	A	48	18.628	23.860	6.261	1.00	11.71
ATOM	412	N	PRO	A	49	17.912	24.374	8.323	1.00	11.19
ATOM	413	CA	PRO	A	49	17.932	22.951	8.679	1.00	10.95
ATOM	414	CB	PRO	A	49	17.660	22.880	10.145	1.00	11.17
ATOM	415	CG	PRO	A	49	17.388	24.271	10.678	1.00	11.31
ATOM	416	CD	PRO	A	49	17.545	25.195	9.489	1.00	11.40
ATOM	417	C	PRO	A	49	16.905	22.114	7.930	1.00	10.04
ATOM	418	O	PRO	A	49	17.225	20.968	7.584	1.00	9.90
ATOM	419	N	ARG	A	50	15.827	22.740	7.482	1.00	9.55
ATOM	421	CA	ARG	A	50	14.794	22.014	6.748	1.00	8.74
ATOM	422	CB	ARG	A	50	13.594	22.910	6.472	1.00	9.11
ATOM	423	CG	ARG	A	50	12.455	22.038	5.975	1.00	9.19
ATOM	424	CD	ARG	A	50	12.107	21.007	7.043	1.00	9.81
ATOM	425	NE	ARG	A	50	11.247	19.944	6.506	1.00	10.42
ATOM	426	CZ	ARG	A	50	10.609	19.062	7.276	1.00	11.31

Table III (cont.)

ATOM	427	NH1	ARG	A	50	10.725	19.129	8.604	1.00	12.00
ATOM	428	NH2	ARG	A	50	9.837	18.127	6.718	1.00	11.69
ATOM	429	C	ARG	A	50	15.308	21.335	5.466	1.00	8.18
ATOM	430	O	ARG	A	50	15.260	20.103	5.438	1.00	8.13
ATOM	431	N	PRO	A	51	15.873	22.027	4.482	1.00	7.98
ATOM	432	CA	PRO	A	51	16.236	21.311	3.255	1.00	7.63
ATOM	433	CB	PRO	A	51	16.414	22.386	2.227	1.00	8.38
ATOM	434	CG	PRO	A	51	16.443	23.742	2.908	1.00	9.01
ATOM	435	CD	PRO	A	51	16.118	23.472	4.362	1.00	8.97
ATOM	436	C	PRO	A	51	17.507	20.444	3.310	1.00	7.66
ATOM	437	O	PRO	A	51	17.716	19.692	2.350	1.00	7.43
ATOM	438	N	SER	A	52	18.302	20.463	4.373	1.00	8.11
ATOM	440	CA	SER	A	52	19.584	19.749	4.262	1.00	8.31
ATOM	441	CB	SER	A	52	20.475	20.588	3.351	1.00	9.41
ATOM	442	OG	SER	A	52	20.648	21.850	3.986	1.00	10.16
ATOM	443	C	SER	A	52	20.376	19.533	5.550	1.00	7.49
ATOM	444	O	SER	A	52	21.315	18.726	5.531	1.00	7.60
ATOM	445	N	SER	A	53	20.008	20.183	6.640	1.00	6.82
ATOM	447	CA	SER	A	53	20.992	20.341	7.719	1.00	6.11
ATOM	448	CB	SER	A	53	21.021	21.802	8.132	1.00	8.00
ATOM	449	OG	SER	A	53	21.153	22.562	6.938	1.00	8.48
ATOM	450	C	SER	A	53	20.803	19.469	8.954	1.00	5.80
ATOM	451	O	SER	A	53	19.680	19.110	9.342	1.00	6.02
ATOM	452	N	THR	A	54	21.872	19.538	9.736	1.00	6.64
ATOM	454	CA	THR	A	54	22.105	18.732	10.950	1.00	6.72
ATOM	455	CB	THR	A	54	23.588	18.765	11.298	1.00	7.78
ATOM	456	OG1	THR	A	54	23.918	20.088	11.700	1.00	8.09
ATOM	457	CG2	THR	A	54	24.477	18.369	10.126	1.00	8.15
ATOM	458	C	THR	A	54	21.346	19.183	12.197	1.00	6.30
ATOM	459	O	THR	A	54	21.670	18.742	13.305	1.00	6.19
ATOM	460	N	LYS	A	55	20.346	20.027	12.031	1.00	6.22
ATOM	462	CA	LYS	A	55	19.660	20.554	13.200	1.00	6.00
ATOM	463	CB	LYS	A	55	19.417	22.045	12.977	1.00	6.38
ATOM	464	CG	LYS	A	55	18.813	22.772	14.181	1.00	7.21
ATOM	465	CD	LYS	A	55	19.856	23.354	15.142	1.00	7.56
ATOM	466	CE	LYS	A	55	20.675	22.295	15.874	1.00	8.08
ATOM	467	NZ	LYS	A	55	21.674	22.919	16.753	1.00	8.26
ATOM	468	C	LYS	A	55	18.341	19.833	13.484	1.00	5.00
ATOM	469	O	LYS	A	55	17.994	19.685	14.661	1.00	5.17
ATOM	470	N	SER	A	56	17.660	19.312	12.470	1.00	4.28
ATOM	472	CA	SER	A	56	16.344	18.717	12.756	1.00	3.33
ATOM	473	CB	SER	A	56	15.358	19.866	12.979	1.00	2.95
ATOM	474	OG	SER	A	56	15.435	20.755	11.867	1.00	3.03
ATOM	475	C	SER	A	56	15.751	17.768	11.705	1.00	2.29
ATOM	476	O	SER	A	56	15.363	16.644	12.058	1.00	2.75
ATOM	477	N	THR	A	57	15.867	18.108	10.433	1.00	1.18
ATOM	479	CA	THR	A	57	14.941	17.542	9.435	1.00	0.39
ATOM	480	CB	THR	A	57	15.098	18.307	8.142	1.00	1.62
ATOM	481	OG1	THR	A	57	14.781	19.647	8.463	1.00	2.31
ATOM	482	CG2	THR	A	57	14.113	17.803	7.097	1.00	2.10
ATOM	483	C	THR	A	57	14.971	16.022	9.224	1.00	0.19
ATOM	484	O	THR	A	57	13.954	15.407	9.576	1.00	0.28
ATOM	485	N	PRO	A	58	16.067	15.391	8.806	1.00	0.34
ATOM	486	CA	PRO	A	58	16.016	13.941	8.552	1.00	0.33
ATOM	487	CB	PRO	A	58	17.316	13.606	7.896	1.00	1.25
ATOM	488	CG	PRO	A	58	18.167	14.854	7.779	1.00	1.43
ATOM	489	CD	PRO	A	58	17.362	15.969	8.412	1.00	1.02
ATOM	490	C	PRO	A	58	15.748	13.029	9.760	1.00	0.16

Table III (cont.)

ATOM	491	O	PRO	A	58	15.268	11.914	9.523	1.00	0.19
ATOM	492	N	ALA	A	59	15.759	13.536	10.987	1.00	0.18
ATOM	494	CA	ALA	A	59	15.399	12.691	12.132	1.00	0.16
ATOM	495	CB	ALA	A	59	15.816	13.375	13.426	1.00	0.63
ATOM	496	C	ALA	A	59	13.893	12.442	12.176	1.00	0.16
ATOM	497	O	ALA	A	59	13.474	11.296	12.374	1.00	0.31
ATOM	498	N	SER	A	60	13.125	13.402	11.685	1.00	0.01
ATOM	500	CA	SER	A	60	11.671	13.222	11.618	1.00	0.01
ATOM	501	CB	SER	A	60	10.987	14.584	11.676	1.00	0.23
ATOM	502	OG	SER	A	60	11.286	15.282	10.474	1.00	1.03
ATOM	503	C	SER	A	60	11.255	12.503	10.338	1.00	0.00
ATOM	504	O	SER	A	60	10.154	11.946	10.267	1.00	0.01
ATOM	505	N	GLN	A	61	12.183	12.377	9.404	1.00	0.01
ATOM	507	CA	GLN	A	61	11.887	11.693	8.150	1.00	0.00
ATOM	508	CB	GLN	A	61	12.694	12.362	7.050	1.00	0.37
ATOM	509	CG	GLN	A	61	12.342	13.843	6.975	1.00	1.02
ATOM	510	CD	GLN	A	61	13.163	14.531	5.893	1.00	1.17
ATOM	511	OE1	GLN	A	61	14.396	14.598	5.976	1.00	1.88
ATOM	512	NE2	GLN	A	61	12.459	15.114	4.939	1.00	1.51
ATOM	515	C	GLN	A	61	12.235	10.212	8.246	1.00	0.01
ATOM	516	O	GLN	A	61	11.542	9.376	7.652	1.00	0.01
ATOM	517	N	VAL	A	62	13.136	9.883	9.160	1.00	0.00
ATOM	519	CA	VAL	A	62	13.470	8.477	9.399	1.00	0.01
ATOM	520	CB	VAL	A	62	14.932	8.330	9.823	1.00	0.37
ATOM	521	CG1	VAL	A	62	15.873	8.901	8.768	1.00	0.73
ATOM	522	CG2	VAL	A	62	15.210	8.953	11.185	1.00	0.81
ATOM	523	C	VAL	A	62	12.547	7.846	10.441	1.00	0.01
ATOM	524	O	VAL	A	62	12.561	6.617	10.582	1.00	0.01
ATOM	525	N	TYR	A	63	11.609	8.627	10.964	1.00	0.00
ATOM	527	CA	TYR	A	63	10.620	8.144	11.940	1.00	0.01
ATOM	528	CB	TYR	A	63	9.681	9.308	12.252	1.00	0.95
ATOM	529	CG	TYR	A	63	8.348	8.934	12.904	1.00	1.26
ATOM	530	CD1	TYR	A	63	7.161	9.196	12.228	1.00	1.76
ATOM	531	CE1	TYR	A	63	5.941	8.859	12.802	1.00	2.50
ATOM	532	CZ	TYR	A	63	5.910	8.263	14.056	1.00	2.77
ATOM	533	OH	TYR	A	63	4.700	7.893	14.609	1.00	3.61
ATOM	534	CE2	TYR	A	63	7.092	8.010	14.738	1.00	2.43
ATOM	535	CD2	TYR	A	63	8.311	8.346	14.163	1.00	1.69
ATOM	536	C	TYR	A	63	9.786	6.981	11.420	1.00	0.01
ATOM	537	O	TYR	A	63	9.729	5.938	12.085	1.00	0.00
ATOM	538	N	SER	A	64	9.388	7.048	10.160	1.00	0.00
ATOM	540	CA	SER	A	64	8.518	6.008	9.618	1.00	0.01
ATOM	541	CB	SER	A	64	7.937	6.501	8.301	1.00	0.07
ATOM	542	OG	SER	A	64	7.191	7.679	8.576	1.00	0.58
ATOM	543	C	SER	A	64	9.271	4.708	9.388	1.00	0.00
ATOM	544	O	SER	A	64	8.802	3.659	9.844	1.00	0.01
ATOM	545	N	LEU	A	65	10.541	4.814	9.043	1.00	0.01
ATOM	547	CA	LEU	A	65	11.302	3.606	8.729	1.00	0.00
ATOM	548	CB	LEU	A	65	12.391	3.989	7.736	1.00	0.19
ATOM	549	CG	LEU	A	65	11.769	4.693	6.527	1.00	0.31
ATOM	550	CD1	LEU	A	65	12.829	5.223	5.568	1.00	0.42
ATOM	551	CD2	LEU	A	65	10.776	3.799	5.787	1.00	0.30
ATOM	552	C	LEU	A	65	11.868	2.975	9.999	1.00	0.00
ATOM	553	O	LEU	A	65	11.751	1.751	10.154	1.00	0.01
ATOM	554	N	ASN	A	66	12.057	3.813	11.008	1.00	0.01
ATOM	556	CA	ASN	A	66	12.478	3.354	12.336	1.00	0.01
ATOM	557	CB	ASN	A	66	12.838	4.583	13.174	1.00	0.20
ATOM	558	CG	ASN	A	66	13.358	4.202	14.562	1.00	0.42

Table III (cont.)

ATOM	559	OD1	ASN	A	66	14.527	3.832	14.714	1.00	1.44
ATOM	560	ND2	ASN	A	66	12.506	4.348	15.567	1.00	0.90
ATOM	563	C	ASN	A	66	11.341	2.604	13.017	1.00	0.01
ATOM	564	O	ASN	A	66	11.543	1.472	13.473	1.00	0.01
ATOM	565	N	THR	A	67	10.125	3.104	12.857	1.00	0.00
ATOM	567	CA	THR	A	67	8.970	2.428	13.458	1.00	0.00
ATOM	568	CB	THR	A	67	7.800	3.398	13.595	1.00	0.32
ATOM	569	OG1	THR	A	67	7.469	3.918	12.315	1.00	1.02
ATOM	570	CG2	THR	A	67	8.152	4.565	14.508	1.00	1.22
ATOM	571	C	THR	A	67	8.546	1.202	12.655	1.00	0.01
ATOM	572	O	THR	A	67	8.146	0.206	13.268	1.00	0.00
ATOM	573	N	ASP	A	68	8.887	1.166	11.376	1.00	0.01
ATOM	575	CA	ASP	A	68	8.646	-0.036	10.573	1.00	0.01
ATOM	576	CB	ASP	A	68	8.899	0.265	9.098	1.00	0.09
ATOM	577	CG	ASP	A	68	7.881	1.263	8.547	1.00	0.60
ATOM	578	OD1	ASP	A	68	6.748	1.239	9.009	1.00	0.78
ATOM	579	OD2	ASP	A	68	8.223	1.944	7.587	1.00	1.02
ATOM	580	C	ASP	A	68	9.571	-1.160	11.021	1.00	0.01
ATOM	581	O	ASP	A	68	9.068	-2.216	11.426	1.00	0.01
ATOM	582	N	PHE	A	69	10.832	-0.827	11.256	1.00	0.00
ATOM	584	CA	PHE	A	69	11.808	-1.808	11.748	1.00	0.01
ATOM	585	CB	PHE	A	69	13.193	-1.172	11.652	1.00	0.01
ATOM	586	CG	PHE	A	69	14.294	-1.923	12.397	1.00	0.01
ATOM	587	CD1	PHE	A	69	14.711	-3.173	11.958	1.00	0.00
ATOM	588	CE1	PHE	A	69	15.708	-3.853	12.645	1.00	0.01
ATOM	589	CZ	PHE	A	69	16.288	-3.285	13.772	1.00	0.01
ATOM	590	CE2	PHE	A	69	15.871	-2.035	14.212	1.00	0.01
ATOM	591	CD2	PHE	A	69	14.874	-1.355	13.525	1.00	0.01
ATOM	592	C	PHE	A	69	11.537	-2.226	13.195	1.00	0.01
ATOM	593	O	PHE	A	69	11.671	-3.414	13.524	1.00	0.01
ATOM	594	N	ALA	A	70	10.940	-1.334	13.966	1.00	0.01
ATOM	596	CA	ALA	A	70	10.573	-1.645	15.346	1.00	0.01
ATOM	597	CB	ALA	A	70	10.227	-0.336	16.042	1.00	0.01
ATOM	598	C	ALA	A	70	9.382	-2.598	15.426	1.00	0.00
ATOM	599	O	ALA	A	70	9.438	-3.570	16.190	1.00	0.01
ATOM	600	N	PHE	A	71	8.457	-2.481	14.485	1.00	0.01
ATOM	602	CA	PHE	A	71	7.313	-3.398	14.453	1.00	0.01
ATOM	603	CB	PHE	A	71	6.218	-2.830	13.556	1.00	0.00
ATOM	604	CG	PHE	A	71	5.568	-1.540	14.048	1.00	0.01
ATOM	605	CD1	PHE	A	71	5.361	-1.330	15.406	1.00	0.01
ATOM	606	CE1	PHE	A	71	4.772	-0.151	15.843	1.00	0.00
ATOM	607	CZ	PHE	A	71	4.383	0.813	14.922	1.00	0.00
ATOM	608	CE2	PHE	A	71	4.575	0.596	13.564	1.00	0.00
ATOM	609	CD2	PHE	A	71	5.163	-0.583	13.127	1.00	0.00
ATOM	610	C	PHE	A	71	7.731	-4.758	13.915	1.00	0.00
ATOM	611	O	PHE	A	71	7.347	-5.783	14.495	1.00	0.01
ATOM	612	N	ARG	A	72	8.702	-4.756	13.016	1.00	0.00
ATOM	614	CA	ARG	A	72	9.225	-6.011	12.474	1.00	0.01
ATOM	615	CB	ARG	A	72	10.216	-5.697	11.365	1.00	0.20
ATOM	616	CG	ARG	A	72	9.590	-4.923	10.217	1.00	0.96
ATOM	617	CD	ARG	A	72	10.667	-4.523	9.219	1.00	1.05
ATOM	618	NE	ARG	A	72	10.152	-3.580	8.218	1.00	1.27
ATOM	619	CZ	ARG	A	72	10.946	-3.002	7.317	1.00	1.66
ATOM	620	NH1	ARG	A	72	10.449	-2.099	6.470	1.00	2.10
ATOM	621	NH2	ARG	A	72	12.249	-3.292	7.300	1.00	2.00
ATOM	622	C	ARG	A	72	9.964	-6.806	13.537	1.00	0.01
ATOM	623	O	ARG	A	72	9.629	-7.974	13.760	1.00	0.00
ATOM	624	N	LEU	A	73	10.764	-6.124	14.341	1.00	0.00

Table III (cont.)

ATOM	626	CA	LEU	A	73	11.537	-6.823	15.365	1.00	0.01
ATOM	627	CB	LEU	A	73	12.664	-5.899	15.815	1.00	0.01
ATOM	628	CG	LEU	A	73	13.628	-6.598	16.766	1.00	0.01
ATOM	629	CD1	LEU	A	73	14.126	-7.909	16.170	1.00	0.01
ATOM	630	CD2	LEU	A	73	14.801	-5.690	17.118	1.00	0.01
ATOM	631	C	LEU	A	73	10.670	-7.237	16.555	1.00	0.01
ATOM	632	O	LEU	A	73	10.824	-8.367	17.037	1.00	0.01
ATOM	633	N	TYR	A	74	9.610	-6.490	16.824	1.00	0.01
ATOM	635	CA	TYR	A	74	8.727	-6.861	17.930	1.00	0.01
ATOM	636	CB	TYR	A	74	7.800	-5.698	18.262	1.00	0.01
ATOM	637	CG	TYR	A	74	6.878	-5.984	19.444	1.00	0.01
ATOM	638	CD1	TYR	A	74	7.378	-5.918	20.739	1.00	0.01
ATOM	639	CE1	TYR	A	74	6.547	-6.185	21.819	1.00	0.01
ATOM	640	CZ	TYR	A	74	5.217	-6.518	21.600	1.00	0.00
ATOM	641	OH	TYR	A	74	4.393	-6.794	22.670	1.00	0.01
ATOM	642	CE2	TYR	A	74	4.714	-6.584	20.307	1.00	0.01
ATOM	643	CD2	TYR	A	74	5.546	-6.316	19.228	1.00	0.01
ATOM	644	C	TYR	A	74	7.896	-8.082	17.574	1.00	0.01
ATOM	645	O	TYR	A	74	7.932	-9.072	18.316	1.00	0.01
ATOM	646	N	ARG	A	75	7.412	-8.126	16.344	1.00	0.01
ATOM	648	CA	ARG	A	75	6.597	-9.263	15.920	1.00	0.00
ATOM	649	CB	ARG	A	75	5.781	-8.854	14.703	1.00	0.00
ATOM	650	CG	ARG	A	75	4.855	-7.695	15.048	1.00	0.01
ATOM	651	CD	ARG	A	75	4.096	-7.205	13.823	1.00	0.00
ATOM	652	NE	ARG	A	75	3.269	-6.038	14.165	1.00	0.00
ATOM	653	CZ	ARG	A	75	3.021	-5.040	13.315	1.00	0.01
ATOM	654	NH1	ARG	A	75	3.530	-5.072	12.082	1.00	0.00
ATOM	655	NH2	ARG	A	75	2.263	-4.010	13.697	1.00	0.01
ATOM	656	C	ARG	A	75	7.456	-10.480	15.599	1.00	0.01
ATOM	657	O	ARG	A	75	7.014	-11.604	15.862	1.00	0.00
ATOM	658	N	ARG	A	76	8.734	-10.261	15.336	1.00	0.01
ATOM	660	CA	ARG	A	76	9.650	-11.381	15.129	1.00	0.01
ATOM	661	CB	ARG	A	76	10.935	-10.852	14.504	1.00	0.28
ATOM	662	CG	ARG	A	76	11.790	-11.993	13.973	1.00	1.10
ATOM	663	CD	ARG	A	76	11.014	-12.768	12.914	1.00	1.58
ATOM	664	NE	ARG	A	76	11.815	-13.856	12.336	1.00	2.21
ATOM	665	CZ	ARG	A	76	11.783	-14.161	11.037	1.00	2.96
ATOM	666	NH1	ARG	A	76	12.433	-15.236	10.589	1.00	3.85
ATOM	667	NH2	ARG	A	76	11.019	-13.449	10.206	1.00	3.23
ATOM	668	C	ARG	A	76	9.975	-12.057	16.456	1.00	0.01
ATOM	669	O	ARG	A	76	9.903	-13.288	16.537	1.00	0.01
ATOM	670	N	LEU	A	77	10.031	-11.279	17.525	1.00	0.01
ATOM	672	CA	LEU	A	77	10.285	-11.858	18.848	1.00	0.01

Table III (cont.)

ATOM	673	CB	LEU	A	77	10.772	-10.752	19.775	1.00	0.01
ATOM	674	CG	LEU	A	77	12.100	-10.176	19.297	1.00	0.01
ATOM	675	CD1	LEU	A	77	12.468	-8.915	20.069	1.00	0.01
ATOM	676	CD2	LEU	A	77	13.216	-11.213	19.375	1.00	0.01
ATOM	677	C	LEU	A	77	9.033	-12.517	19.425	1.00	0.01
ATOM	678	O	LEU	A	77	9.147	-13.600	20.020	1.00	0.01
ATOM	679	N	VAL	A	78	7.869	-12.043	19.002	1.00	0.01
ATOM	681	CA	VAL	A	78	6.603	-12.672	19.402	1.00	0.01
ATOM	682	CB	VAL	A	78	5.447	-11.736	19.045	1.00	0.11
ATOM	683	CG1	VAL	A	78	4.095	-12.384	19.325	1.00	0.20
ATOM	684	CG2	VAL	A	78	5.551	-10.403	19.773	1.00	0.20
ATOM	685	C	VAL	A	78	6.398	-13.999	18.675	1.00	0.01
ATOM	686	O	VAL	A	78	6.015	-14.989	19.310	1.00	0.01
ATOM	687	N	LEU	A	79	6.872	-14.068	17.439	1.00	0.01
ATOM	689	CA	LEU	A	79	6.763	-15.296	16.644	1.00	0.01
ATOM	690	CB	LEU	A	79	6.776	-14.925	15.166	1.00	0.19
ATOM	691	CG	LEU	A	79	5.533	-14.129	14.784	1.00	0.24
ATOM	692	CD1	LEU	A	79	5.635	-13.603	13.357	1.00	0.38
ATOM	693	CD2	LEU	A	79	4.266	-14.957	14.971	1.00	0.37
ATOM	694	C	LEU	A	79	7.882	-16.294	16.933	1.00	0.01
ATOM	695	O	LEU	A	79	7.786	-17.458	16.528	1.00	0.01
ATOM	696	N	GLU	A	80	8.912	-15.863	17.642	1.00	0.01
ATOM	698	CA	GLU	A	80	9.894	-16.823	18.142	1.00	0.01
ATOM	699	CB	GLU	A	80	11.209	-16.127	18.478	1.00	0.49
ATOM	700	CG	GLU	A	80	11.857	-15.481	17.258	1.00	1.39
ATOM	701	CD	GLU	A	80	12.079	-16.498	16.142	1.00	1.48
ATOM	702	OE1	GLU	A	80	11.433	-16.347	15.114	1.00	2.26
ATOM	703	OE2	GLU	A	80	13.034	-17.252	16.255	1.00	1.23
ATOM	704	C	GLU	A	80	9.318	-17.467	19.394	1.00	0.01
ATOM	705	O	GLU	A	80	9.257	-18.698	19.495	1.00	0.01

Table III (cont.)

ATOM	706	N	THR	A	81	8.856	-16.619	20.301	1.00	0.01
ATOM	708	CA	THR	A	81	8.132	-17.067	21.498	1.00	0.02
ATOM	709	CB	THR	A	81	8.969	-17.980	22.395	1.00	1.52
ATOM	710	OG1	THR	A	81	8.309	-18.010	23.652	1.00	2.01
ATOM	711	CG2	THR	A	81	10.389	-17.486	22.633	1.00	2.60
ATOM	712	C	THR	A	81	7.596	-15.897	22.316	1.00	0.01
ATOM	713	O	THR	A	81	8.349	-15.135	22.945	1.00	0.01
ATOM	714	N	PRO	A	82	6.281	-15.924	22.474	1.00	0.01
ATOM	715	CA	PRO	A	82	5.547	-14.945	23.285	1.00	0.01
ATOM	716	CB	PRO	A	82	4.116	-15.121	22.876	1.00	0.18
ATOM	717	CG	PRO	A	82	3.983	-16.396	22.058	1.00	0.19
ATOM	718	CD	PRO	A	82	5.392	-16.932	21.889	1.00	0.14
ATOM	719	C	PRO	A	82	5.680	-15.115	24.809	1.00	0.01
ATOM	720	O	PRO	A	82	5.041	-14.357	25.547	1.00	0.01
ATOM	721	N	SER	A	83	6.493	-16.055	25.281	1.00	0.02
ATOM	723	CA	SER	A	83	6.697	-16.235	26.722	1.00	0.01
ATOM	724	CB	SER	A	83	6.985	-17.702	27.015	1.00	0.01
ATOM	725	OG	SER	A	83	8.279	-18.000	26.509	1.00	0.02
ATOM	726	C	SER	A	83	7.868	-15.393	27.232	1.00	0.01
ATOM	727	O	SER	A	83	8.277	-15.528	28.391	1.00	0.01
ATOM	728	N	GLN	A	84	8.492	-14.651	26.334	1.00	0.02
ATOM	730	CA	GLN	A	84	9.553	-13.730	26.735	1.00	0.01
ATOM	731	CB	GLN	A	84	10.513	-13.545	25.567	1.00	1.11
ATOM	732	CG	GLN	A	84	11.173	-14.843	25.130	1.00	1.61
ATOM	733	CD	GLN	A	84	12.060	-14.558	23.922	1.00	1.93
ATOM	734	OE1	GLN	A	84	13.283	-14.730	23.977	1.00	2.66
ATOM	735	NE2	GLN	A	84	11.422	-14.146	22.838	1.00	1.90
ATOM	738	C	GLN	A	84	8.991	-12.358	27.076	1.00	0.00
ATOM	739	O	GLN	A	84	8.119	-11.841	26.368	1.00	0.01
ATOM	740	N	ASN	A	85	9.526	-	28.132	1.00	0.01

Table III (cont.)

							11.766			
ATOM	742	CA	ASN	A	85	9.314	-10.334	28.379	1.00	0.01
ATOM	743	CB	ASN	A	85	9.736	-9.974	29.798	1.00	0.01
ATOM	744	CG	ASN	A	85	8.816	-10.618	30.824	1.00	0.02
ATOM	745	OD1	ASN	A	85	7.585	-10.488	30.751	1.00	0.01
ATOM	746	ND2	ASN	A	85	9.426	-11.245	31.811	1.00	0.01
ATOM	749	C	ASN	A	85	10.170	-9.542	27.399	1.00	0.01
ATOM	750	O	ASN	A	85	11.369	-9.336	27.617	1.00	0.01
ATOM	751	N	ILE	A	86	9.554	-9.156	26.297	1.00	0.01
ATOM	753	CA	ILE	A	86	10.277	-8.469	25.226	1.00	0.01
ATOM	754	CB	ILE	A	86	9.369	-8.454	23.996	1.00	0.01
ATOM	755	CG2	ILE	A	86	10.021	-7.781	22.792	1.00	0.00
ATOM	756	CG1	ILE	A	86	8.974	-9.879	23.629	1.00	0.01
ATOM	757	CD1	ILE	A	86	8.153	-9.905	22.347	1.00	0.01
ATOM	758	C	ILE	A	86	10.661	-7.064	25.671	1.00	0.00
ATOM	759	O	ILE	A	86	9.906	-6.417	26.406	1.00	0.01
ATOM	760	N	PHE	A	87	11.877	-6.664	25.342	1.00	0.01
ATOM	762	CA	PHE	A	87	12.324	-5.303	25.630	1.00	0.00
ATOM	763	CB	PHE	A	87	12.633	-5.134	27.110	1.00	0.01
ATOM	764	CG	PHE	A	87	12.846	-3.664	27.423	1.00	0.01
ATOM	765	CD1	PHE	A	87	11.782	-2.784	27.282	1.00	0.00
ATOM	766	CE1	PHE	A	87	11.964	-1.432	27.531	1.00	0.01
ATOM	767	CZ	PHE	A	87	13.213	-0.964	27.912	1.00	0.01
ATOM	768	CE2	PHE	A	87	14.278	-1.844	28.051	1.00	0.00
ATOM	769	CD2	PHE	A	87	14.094	-3.197	27.807	1.00	0.01
ATOM	770	C	PHE	A	87	13.559	-4.950	24.810	1.00	0.01
ATOM	771	O	PHE	A	87	14.695	-5.254	25.195	1.00	0.01
ATOM	772	N	PHE	A	88	13.324	-4.284	23.696	1.00	0.01
ATOM	774	CA	PHE	A	88	14.428	-3.886	22.819	1.00	0.01
ATOM	775	CB	PHE	A	88	14.399	-4.710	21.532	1.00	0.01
ATOM	776	CG	PHE	A	88	13.216	-4.453	20.600	1.00	0.01
ATOM	777	CD1	PHE	A	88	12.037	-5.171	20.752	1.00	0.01
ATOM	778	CE1	PHE	A	88	10.966	-4.930	19.904	1.00	0.01
ATOM	779	CZ	PHE	A	88	11.076	-3.979	18.898	1.00	0.01
ATOM	780	CE2	PHE	A	88	12.258	-3.272	18.735	1.00	0.01
ATOM	781	CD2	PHE	A	88	13.329	-3.513	19.583	1.00	0.01
ATOM	782	C	PHE	A	88	14.369	-2.404	22.477	1.00	0.00
ATOM	783	O	PHE	A	88	13.301	-1.779	22.467	1.00	0.01
ATOM	784	N	SER	A	89	15.537	-1.856	22.202	1.00	0.01
ATOM	786	CA	SER	A	89	15.633	-0.485	21.714	1.00	0.00
ATOM	787	CB	SER	A	89	16.812	0.213	22.369	1.00	0.01
ATOM	788	OG	SER	A	89	17.000	1.443	21.675	1.00	0.01
ATOM	789	C	SER	A	89	15.843	-0.446	20.212	1.00	0.01
ATOM	790	O	SER	A	89	16.975	-0.633	19.739	1.00	0.01
ATOM	791	N	PRO	A	90	14.804	-0.047	19.493	1.00	0.01
ATOM	792	CA	PRO	A	90	14.926	0.148	18.048	1.00	0.01
ATOM	793	CB	PRO	A	90	13.554	0.526	17.581	1.00	0.01
ATOM	794	CG	PRO	A	90	12.621	0.615	18.780	1.00	0.01
ATOM	795	CD	PRO	A	90	13.465	0.275	19.995	1.00	0.01
ATOM	796	C	PRO	A	90	15.947	1.233	17.718	1.00	0.01
ATOM	797	O	PRO	A	90	16.867	0.951	16.942	1.00	0.01
ATOM	798	N	VAL	A	91	15.995	2.264	18.549	1.00	0.00
ATOM	800	CA	VAL	A	91	16.952	3.354	18.363	1.00	0.01
ATOM	801	CB	VAL	A	91	16.642	4.444	19.381	1.00	0.01

Table III (cont.)

ATOM	802	CG1	VAL	A	91	17.798	5.427	19.540	1.00	0.01
ATOM	803	CG2	VAL	A	91	15.361	5.174	19.001	1.00	0.01
ATOM	804	C	VAL	A	91	18.409	2.908	18.486	1.00	0.01
ATOM	805	O	VAL	A	91	19.147	3.108	17.515	1.00	0.00
ATOM	806	N	SER	A	92	18.764	2.110	19.485	1.00	0.01
ATOM	808	CA	SER	A	92	20.179	1.744	19.608	1.00	0.01
ATOM	809	CB	SER	A	92	20.433	1.193	21.006	1.00	0.01
ATOM	810	OG	SER	A	92	19.684	-0.004	21.158	1.00	0.01
ATOM	811	C	SER	A	92	20.633	0.734	18.551	1.00	0.01
ATOM	812	O	SER	A	92	21.717	0.937	17.981	1.00	0.01
ATOM	813	N	VAL	A	93	19.729	-0.115	18.086	1.00	0.00
ATOM	815	CA	VAL	A	93	20.106	-1.096	17.067	1.00	0.01
ATOM	816	CB	VAL	A	93	19.066	-2.211	17.045	1.00	0.09
ATOM	817	CG1	VAL	A	93	19.417	-3.261	15.997	1.00	0.13
ATOM	818	CG2	VAL	A	93	18.926	-2.862	18.413	1.00	0.17
ATOM	819	C	VAL	A	93	20.176	-0.450	15.689	1.00	0.00
ATOM	820	O	VAL	A	93	21.195	-0.594	15.001	1.00	0.01
ATOM	821	N	SER	A	94	19.274	0.482	15.434	1.00	0.01
ATOM	823	CA	SER	A	94	19.235	1.133	14.121	1.00	0.01
ATOM	824	CB	SER	A	94	17.859	1.765	13.922	1.00	0.17
ATOM	825	OG	SER	A	94	17.660	2.767	14.914	1.00	0.70
ATOM	826	C	SER	A	94	20.327	2.189	13.969	1.00	0.01
ATOM	827	O	SER	A	94	20.922	2.291	12.888	1.00	0.01
ATOM	828	N	THR	A	95	20.775	2.742	15.084	1.00	0.01
ATOM	830	CA	THR	A	95	21.859	3.719	15.038	1.00	0.00
ATOM	831	CB	THR	A	95	21.807	4.547	16.318	1.00	0.01
ATOM	832	OG1	THR	A	95	20.577	5.260	16.317	1.00	0.02
ATOM	833	CG2	THR	A	95	22.937	5.566	16.388	1.00	0.01
ATOM	834	C	THR	A	95	23.211	3.027	14.903	1.00	0.01
ATOM	835	O	THR	A	95	24.026	3.454	14.076	1.00	0.00
ATOM	836	N	SER	A	96	23.321	1.827	15.451	1.00	0.01
ATOM	838	CA	SER	A	96	24.582	1.089	15.319	1.00	0.01
ATOM	839	CB	SER	A	96	24.727	0.089	16.462	1.00	0.15
ATOM	840	OG	SER	A	96	23.632	-0.817	16.438	1.00	0.84
ATOM	841	C	SER	A	96	24.688	0.379	13.970	1.00	0.01
ATOM	842	O	SER	A	96	25.791	0.294	13.416	1.00	0.01
ATOM	843	N	LEU	A	97	23.559	0.119	13.333	1.00	0.01
ATOM	845	CA	LEU	A	97	23.607	-0.467	11.994	1.00	0.01
ATOM	846	CB	LEU	A	97	22.315	-1.224	11.738	1.00	0.13
ATOM	847	CG	LEU	A	97	22.233	-2.463	12.617	1.00	0.13
ATOM	848	CD1	LEU	A	97	20.874	-3.135	12.478	1.00	0.64
ATOM	849	CD2	LEU	A	97	23.361	-3.436	12.290	1.00	0.47
ATOM	850	C	LEU	A	97	23.828	0.591	10.918	1.00	0.00
ATOM	851	O	LEU	A	97	24.610	0.347	9.990	1.00	0.00
ATOM	852	N	ALA	A	98	23.405	1.816	11.182	1.00	0.01
ATOM	854	CA	ALA	A	98	23.698	2.904	10.243	1.00	0.01
ATOM	855	CB	ALA	A	98	22.655	3.993	10.410	1.00	0.01
ATOM	856	C	ALA	A	98	25.103	3.470	10.455	1.00	0.00
ATOM	857	O	ALA	A	98	25.659	4.131	9.572	1.00	0.01
ATOM	858	N	MET	A	99	25.702	3.114	11.577	1.00	0.01
ATOM	860	CA	MET	A	99	27.114	3.392	11.817	1.00	0.02
ATOM	861	CB	MET	A	99	27.319	3.255	13.315	1.00	0.00
ATOM	862	CG	MET	A	99	28.783	3.315	13.704	1.00	0.01
ATOM	863	SD	MET	A	99	29.098	2.753	15.386	1.00	0.01
ATOM	864	CE	MET	A	99	28.443	1.074	15.249	1.00	0.02
ATOM	865	C	MET	A	99	27.989	2.367	11.103	1.00	0.01
ATOM	866	O	MET	A	99	28.949	2.735	10.412	1.00	0.01
ATOM	867	N	LEU	A	100	27.496	1.139	11.054	1.00	0.01

Table III (cont.)

ATOM	869	CA	LEU	A	100	28.216	0.054	10.381	1.00	0.01
ATOM	870	CB	LEU	A	100	27.610	-1.265	10.847	1.00	0.01
ATOM	871	CG	LEU	A	100	28.374	-2.467	10.305	1.00	0.01
ATOM	872	CD1	LEU	A	100	29.822	-2.450	10.784	1.00	0.01
ATOM	873	CD2	LEU	A	100	27.691	-3.768	10.714	1.00	0.01
ATOM	874	C	LEU	A	100	28.104	0.162	8.862	1.00	0.01
ATOM	875	O	LEU	A	100	29.088	-0.102	8.160	1.00	0.01
ATOM	876	N	SER	A	101	27.047	0.812	8.397	1.00	0.01
ATOM	878	CA	SER	A	101	26.872	1.083	6.962	1.00	0.01
ATOM	879	CB	SER	A	101	25.395	1.301	6.668	1.00	0.00
ATOM	880	OG	SER	A	101	24.997	2.495	7.322	1.00	0.00
ATOM	881	C	SER	A	101	27.673	2.295	6.469	1.00	0.01
ATOM	882	O	SER	A	101	27.547	2.678	5.304	1.00	0.00
ATOM	883	N	LEU	A	102	28.450	2.909	7.350	1.00	0.01
ATOM	885	CA	LEU	A	102	29.438	3.915	6.944	1.00	0.01
ATOM	886	CB	LEU	A	102	29.500	5.012	7.994	1.00	0.00
ATOM	887	CG	LEU	A	102	28.356	5.997	7.809	1.00	0.01
ATOM	888	CD1	LEU	A	102	28.419	7.100	8.855	1.00	0.01
ATOM	889	CD2	LEU	A	102	28.408	6.601	6.411	1.00	0.01
ATOM	890	C	LEU	A	102	30.833	3.318	6.730	1.00	0.00
ATOM	891	O	LEU	A	102	31.800	4.067	6.540	1.00	0.01
ATOM	892	N	GLY	A	103	30.947	2.008	6.874	1.00	0.02
ATOM	894	CA	GLY	A	103	32.193	1.306	6.555	1.00	0.02
ATOM	895	C	GLY	A	103	31.876	0.155	5.611	1.00	0.01
ATOM	896	O	GLY	A	103	32.740	-0.334	4.866	1.00	0.02
ATOM	897	N	ALA	A	104	30.658	-0.337	5.756	1.00	0.01
ATOM	899	CA	ALA	A	104	30.107	-1.315	4.823	1.00	0.00
ATOM	900	CB	ALA	A	104	28.828	-1.898	5.410	1.00	0.60
ATOM	901	C	ALA	A	104	29.798	-0.648	3.494	1.00	0.01
ATOM	902	O	ALA	A	104	29.377	0.511	3.431	1.00	0.01
ATOM	903	N	HIS	A	105	30.084	-1.371	2.434	1.00	0.01
ATOM	905	CA	HIS	A	105	29.819	-0.868	1.093	1.00	0.01
ATOM	906	CB	HIS	A	105	31.163	-0.638	0.413	1.00	0.36
ATOM	907	CG	HIS	A	105	31.157	0.500	-0.582	1.00	1.35
ATOM	908	ND1	HIS	A	105	30.544	1.685	-0.417	1.00	1.70
ATOM	910	CE1	HIS	A	105	30.748	2.447	-1.511	1.00	2.51
ATOM	911	NE2	HIS	A	105	31.505	1.730	-2.373	1.00	2.95
ATOM	912	CD2	HIS	A	105	31.767	0.527	-1.813	1.00	2.35
ATOM	913	C	HIS	A	105	28.971	-1.875	0.322	1.00	0.01
ATOM	914	O	HIS	A	105	28.605	-2.934	0.858	1.00	0.01
ATOM	915	N	SER	A	106	28.645	-1.518	-0.912	1.00	0.01
ATOM	917	CA	SER	A	106	27.870	-2.369	-1.833	1.00	0.00
ATOM	918	CB	SER	A	106	28.789	-3.466	-2.358	1.00	0.30
ATOM	919	OG	SER	A	106	29.945	-2.846	-2.902	1.00	0.54
ATOM	920	C	SER	A	106	26.661	-3.026	-1.177	1.00	0.01
ATOM	921	O	SER	A	106	25.993	-2.427	-0.326	1.00	0.01
ATOM	922	N	VAL	A	107	26.547	-4.326	-1.403	1.00	0.01
ATOM	924	CA	VAL	A	107	25.393	-5.106	-0.926	1.00	0.01
ATOM	925	CB	VAL	A	107	25.402	-6.429	-1.689	1.00	0.37
ATOM	926	CG1	VAL	A	107	24.244	-7.339	-1.287	1.00	0.53
ATOM	927	CG2	VAL	A	107	25.369	-6.171	-3.191	1.00	0.37
ATOM	928	C	VAL	A	107	25.391	-5.361	0.589	1.00	0.01
ATOM	929	O	VAL	A	107	24.304	-5.492	1.162	1.00	0.01
ATOM	930	N	THR	A	108	26.506	-5.109	1.255	1.00	0.02
ATOM	932	CA	THR	A	108	26.545	-5.286	2.706	1.00	0.01
ATOM	933	CB	THR	A	108	28.003	-5.413	3.133	1.00	0.00
ATOM	934	OG1	THR	A	108	28.524	-6.614	2.573	1.00	0.01
ATOM	935	CG2	THR	A	108	28.144	-5.507	4.645	1.00	0.01

Table III (cont.)

ATOM	936	C	THR	A	108	25.891	-4.079	3.374	1.00	0.01
ATOM	937	O	THR	A	108	24.945	-4.252	4.154	1.00	0.00
ATOM	938	N	LYS	A	109	26.119	-2.925	2.767	1.00	0.01
ATOM	940	CA	LYS	A	109	25.517	-1.675	3.238	1.00	0.01
ATOM	941	CB	LYS	A	109	26.307	-0.543	2.601	1.00	0.10
ATOM	942	CG	LYS	A	109	25.738	0.831	2.919	1.00	0.14
ATOM	943	CD	LYS	A	109	26.456	1.893	2.098	1.00	0.38
ATOM	944	CE	LYS	A	109	26.342	1.577	0.611	1.00	1.01
ATOM	945	NZ	LYS	A	109	27.041	2.585	-0.201	1.00	1.35
ATOM	946	C	LYS	A	109	24.061	-1.567	2.799	1.00	0.01
ATOM	947	O	LYS	A	109	23.203	-1.164	3.596	1.00	0.01
ATOM	948	N	THR	A	110	23.758	-2.201	1.678	1.00	0.01
ATOM	950	CA	THR	A	110	22.396	-2.187	1.145	1.00	0.00
ATOM	951	CB	THR	A	110	22.447	-2.650	-0.307	1.00	0.09
ATOM	952	OG1	THR	A	110	23.256	-1.733	-1.031	1.00	0.10
ATOM	953	CG2	THR	A	110	21.064	-2.670	-0.949	1.00	0.15
ATOM	954	C	THR	A	110	21.466	-3.093	1.945	1.00	0.01
ATOM	955	O	THR	A	110	20.337	-2.678	2.241	1.00	0.01
ATOM	956	N	GLN	A	111	22.002	-4.168	2.504	1.00	0.01
ATOM	958	CA	GLN	A	111	21.181	-5.033	3.350	1.00	0.00
ATOM	959	CB	GLN	A	111	21.872	-6.371	3.549	1.00	0.18
ATOM	960	CG	GLN	A	111	21.854	-7.232	2.297	1.00	0.37
ATOM	961	CD	GLN	A	111	22.526	-8.554	2.636	1.00	0.89
ATOM	962	OE1	GLN	A	111	23.234	-8.651	3.648	1.00	1.44
ATOM	963	NE2	GLN	A	111	22.246	-9.572	1.842	1.00	1.73
ATOM	966	C	GLN	A	111	20.952	-4.409	4.714	1.00	0.01
ATOM	967	O	GLN	A	111	19.821	-4.458	5.211	1.00	0.01
ATOM	968	N	ILE	A	112	21.915	-3.630	5.179	1.00	0.01
ATOM	970	CA	ILE	A	112	21.757	-2.939	6.459	1.00	0.00
ATOM	971	CB	ILE	A	112	23.092	-2.316	6.844	1.00	0.01
ATOM	972	CG2	ILE	A	112	22.932	-1.466	8.094	1.00	0.01
ATOM	973	CG1	ILE	A	112	24.156	-3.385	7.060	1.00	0.01
ATOM	974	CD1	ILE	A	112	25.506	-2.767	7.404	1.00	0.01
ATOM	975	C	ILE	A	112	20.698	-1.846	6.371	1.00	0.00
ATOM	976	O	ILE	A	112	19.735	-1.868	7.152	1.00	0.01
ATOM	977	N	LEU	A	113	20.717	-1.103	5.277	1.00	0.01
ATOM	979	CA	LEU	A	113	19.765	-0.004	5.119	1.00	0.01
ATOM	980	CB	LEU	A	113	20.218	0.869	3.959	1.00	0.01
ATOM	981	CG	LEU	A	113	21.566	1.512	4.267	1.00	0.01
ATOM	982	CD1	LEU	A	113	22.129	2.218	3.041	1.00	0.01
ATOM	983	CD2	LEU	A	113	21.471	2.468	5.452	1.00	0.01
ATOM	984	C	LEU	A	113	18.348	-0.507	4.883	1.00	0.01
ATOM	985	O	LEU	A	113	17.476	-0.187	5.702	1.00	0.01
ATOM	986	N	GLN	A	114	18.193	-1.516	4.040	1.00	0.01
ATOM	988	CA	GLN	A	114	16.849	-2.042	3.757	1.00	0.01
ATOM	989	CB	GLN	A	114	16.906	-2.855	2.468	1.00	0.08
ATOM	990	CG	GLN	A	114	17.175	-1.980	1.243	1.00	0.98
ATOM	991	CD	GLN	A	114	15.896	-1.331	0.705	1.00	1.17
ATOM	992	OE1	GLN	A	114	14.925	-1.088	1.431	1.00	0.48
ATOM	993	NE2	GLN	A	114	15.902	-1.091	-0.596	1.00	2.23
ATOM	996	C	GLN	A	114	16.290	-2.901	4.897	1.00	0.01
ATOM	997	O	GLN	A	114	15.081	-2.841	5.146	1.00	0.01
ATOM	998	N	GLY	A	115	17.167	-3.418	5.744	1.00	0.01
ATOM	1000	CA	GLY	A	115	16.750	-4.161	6.941	1.00	0.01
ATOM	1001	C	GLY	A	115	16.228	-3.226	8.030	1.00	0.01
ATOM	1002	O	GLY	A	115	15.375	-3.613	8.837	1.00	0.01
ATOM	1003	N	LEU	A	116	16.724	-1.997	8.030	1.00	0.00
ATOM	1005	CA	LEU	A	116	16.217	-0.954	8.933	1.00	0.00

Table III (cont.)

ATOM	1006	CB	LEU	A	116	17.330	0.055	9.176	1.00	0.01
ATOM	1007	CG	LEU	A	116	18.543	-0.556	9.859	1.00	0.01
ATOM	1008	CD1	LEU	A	116	19.679	0.460	9.928	1.00	0.01
ATOM	1009	CD2	LEU	A	116	18.183	-1.064	11.249	1.00	0.01
ATOM	1010	C	LEU	A	116	15.011	-0.197	8.360	1.00	0.00
ATOM	1011	O	LEU	A	116	14.511	0.734	9.004	1.00	0.00
ATOM	1012	N	GLY	A	117	14.620	-0.516	7.136	1.00	0.01
ATOM	1014	CA	GLY	A	117	13.451	0.115	6.517	1.00	0.00
ATOM	1015	C	GLY	A	117	13.831	1.183	5.497	1.00	0.00
ATOM	1016	O	GLY	A	117	12.957	1.814	4.890	1.00	0.01
ATOM	1017	N	PHE	A	118	15.121	1.368	5.286	1.00	0.00
ATOM	1019	CA	PHE	A	118	15.586	2.450	4.416	1.00	0.00
ATOM	1020	CB	PHE	A	118	16.933	2.952	4.908	1.00	0.01
ATOM	1021	CG	PHE	A	118	16.806	3.634	6.262	1.00	0.01
ATOM	1022	CD1	PHE	A	118	16.182	4.872	6.344	1.00	0.00
ATOM	1023	CE1	PHE	A	118	16.039	5.498	7.574	1.00	0.00
ATOM	1024	CZ	PHE	A	118	16.517	4.885	8.723	1.00	0.01
ATOM	1025	CE2	PHE	A	118	17.143	3.648	8.640	1.00	0.01
ATOM	1026	CD2	PHE	A	118	17.289	3.023	7.410	1.00	0.01
ATOM	1027	C	PHE	A	118	15.643	2.029	2.958	1.00	0.01
ATOM	1028	O	PHE	A	118	16.641	1.497	2.448	1.00	0.00
ATOM	1029	N	ASN	A	119	14.538	2.332	2.302	1.00	0.01
ATOM	1031	CA	ASN	A	119	14.351	2.050	0.884	1.00	0.00
ATOM	1032	CB	ASN	A	119	12.865	2.195	0.593	1.00	0.01
ATOM	1033	CG	ASN	A	119	12.593	1.896	-0.871	1.00	0.01
ATOM	1034	OD1	ASN	A	119	12.727	2.781	-1.726	1.00	0.00
ATOM	1035	ND2	ASN	A	119	12.292	0.642	-1.155	1.00	0.00
ATOM	1038	C	ASN	A	119	15.162	2.997	0.007	1.00	0.00
ATOM	1039	O	ASN	A	119	14.742	4.127	-0.281	1.00	0.01
ATOM	1040	N	LEU	A	120	16.152	2.409	-0.642	1.00	0.00
ATOM	1042	CA	LEU	A	120	17.113	3.144	-1.480	1.00	0.00
ATOM	1043	CB	LEU	A	120	18.373	2.294	-1.585	1.00	0.01
ATOM	1044	CG	LEU	A	120	18.987	2.053	-0.209	1.00	0.00
ATOM	1045	CD1	LEU	A	120	20.142	1.062	-0.290	1.00	0.00
ATOM	1046	CD2	LEU	A	120	19.439	3.363	0.430	1.00	0.01
ATOM	1047	C	LEU	A	120	16.621	3.502	-2.889	1.00	0.01
ATOM	1048	O	LEU	A	120	17.432	3.878	-3.742	1.00	0.01
ATOM	1049	N	THR	A	121	15.343	3.312	-3.176	1.00	0.01
ATOM	1051	CA	THR	A	121	14.820	3.787	-4.454	1.00	0.00
ATOM	1052	CB	THR	A	121	13.901	2.756	-5.098	1.00	0.00
ATOM	1053	OG1	THR	A	121	12.623	2.809	-4.484	1.00	0.01
ATOM	1054	CG2	THR	A	121	14.462	1.342	-4.991	1.00	0.01
ATOM	1055	C	THR	A	121	14.079	5.104	-4.233	1.00	0.01
ATOM	1056	O	THR	A	121	13.539	5.682	-5.182	1.00	0.00
ATOM	1057	N	HIS	A	122	13.997	5.525	-2.980	1.00	0.01
ATOM	1059	CA	HIS	A	122	13.428	6.835	-2.669	1.00	0.01
ATOM	1060	CB	HIS	A	122	12.089	6.647	-1.963	1.00	0.29
ATOM	1061	CG	HIS	A	122	11.014	5.994	-2.808	1.00	0.30
ATOM	1062	ND1	HIS	A	122	10.628	4.704	-2.763	1.00	1.03
ATOM	1064	CE1	HIS	A	122	9.642	4.505	-3.661	1.00	0.88
ATOM	1065	NE2	HIS	A	122	9.411	5.682	-4.286	1.00	0.56
ATOM	1066	CD2	HIS	A	122	10.249	6.610	-3.771	1.00	0.88
ATOM	1067	C	HIS	A	122	14.354	7.643	-1.765	1.00	0.00
ATOM	1068	O	HIS	A	122	14.502	8.859	-1.949	1.00	0.01
ATOM	1069	N	THR	A	123	14.987	6.970	-0.818	1.00	0.00
ATOM	1071	CA	THR	A	123	15.788	7.677	0.191	1.00	0.01
ATOM	1072	CB	THR	A	123	15.631	6.987	1.549	1.00	0.59
ATOM	1073	OG1	THR	A	123	16.236	5.700	1.515	1.00	1.04

Table III (cont.)

ATOM	1074	CG2	THR	A	123	14.166	6.821	1.939	1.00	0.99
ATOM	1075	C	THR	A	123	17.270	7.773	-0.171	1.00	0.00
ATOM	1076	O	THR	A	123	17.948	6.768	-0.415	1.00	0.00
ATOM	1077	N	PRO	A	124	17.754	9.003	-0.197	1.00	0.01
ATOM	1078	CA	PRO	A	124	19.196	9.259	-0.178	1.00	0.00
ATOM	1079	CB	PRO	A	124	19.325	10.729	-0.438	1.00	0.01
ATOM	1080	CG	PRO	A	124	17.953	11.375	-0.308	1.00	0.01
ATOM	1081	CD	PRO	A	124	16.977	10.237	-0.053	1.00	0.01
ATOM	1082	C	PRO	A	124	19.803	8.894	1.177	1.00	0.01
ATOM	1083	O	PRO	A	124	19.255	9.238	2.234	1.00	0.01
ATOM	1084	N	GLU	A	125	21.035	8.412	1.136	1.00	0.01
ATOM	1086	CA	GLU	A	125	21.718	7.981	2.366	1.00	0.00
ATOM	1087	CB	GLU	A	125	22.887	7.071	2.009	1.00	0.00
ATOM	1088	CG	GLU	A	125	22.398	5.759	1.407	1.00	0.01
ATOM	1089	CD	GLU	A	125	23.581	4.845	1.106	1.00	0.01
ATOM	1090	OE1	GLU	A	125	24.620	5.042	1.720	1.00	0.01
ATOM	1091	OE2	GLU	A	125	23.455	4.043	0.191	1.00	0.01
ATOM	1092	C	GLU	A	125	22.215	9.141	3.231	1.00	0.01
ATOM	1093	O	GLU	A	125	22.304	8.970	4.451	1.00	0.01
ATOM	1094	N	SER	A	126	22.222	10.346	2.683	1.00	0.01
ATOM	1096	CA	SER	A	126	22.599	11.526	3.473	1.00	0.01
ATOM	1097	CB	SER	A	126	22.978	12.656	2.523	1.00	0.17
ATOM	1098	OG	SER	A	126	21.811	13.035	1.805	1.00	0.54
ATOM	1099	C	SER	A	126	21.460	11.996	4.384	1.00	0.01
ATOM	1100	O	SER	A	126	21.710	12.718	5.358	1.00	0.01
ATOM	1101	N	ALA	A	127	20.253	11.509	4.143	1.00	0.00
ATOM	1103	CA	ALA	A	127	19.143	11.802	5.044	1.00	0.01
ATOM	1104	CB	ALA	A	127	17.859	11.898	4.228	1.00	0.11
ATOM	1105	C	ALA	A	127	19.023	10.688	6.077	1.00	0.01
ATOM	1106	O	ALA	A	127	18.841	10.972	7.265	1.00	0.01
ATOM	1107	N	ILE	A	128	19.457	9.504	5.678	1.00	0.01
ATOM	1109	CA	ILE	A	128	19.417	8.335	6.561	1.00	0.01
ATOM	1110	CB	ILE	A	128	19.720	7.113	5.701	1.00	0.01
ATOM	1111	CG2	ILE	A	128	19.813	5.854	6.554	1.00	0.01
ATOM	1112	CG1	ILE	A	128	18.673	6.954	4.605	1.00	0.01
ATOM	1113	CD1	ILE	A	128	18.998	5.776	3.693	1.00	0.01
ATOM	1114	C	ILE	A	128	20.457	8.442	7.670	1.00	0.00
ATOM	1115	O	ILE	A	128	20.121	8.299	8.854	1.00	0.01
ATOM	1116	N	HIS	A	129	21.625	8.948	7.311	1.00	0.00
ATOM	1118	CA	HIS	A	129	22.695	9.088	8.292	1.00	0.01
ATOM	1119	CB	HIS	A	129	24.020	9.140	7.544	1.00	0.01
ATOM	1120	CG	HIS	A	129	24.348	7.770	6.990	1.00	0.00
ATOM	1121	ND1	HIS	A	129	24.406	6.646	7.719	1.00	0.01
ATOM	1123	CE1	HIS	A	129	24.704	5.605	6.914	1.00	0.01
ATOM	1124	NE2	HIS	A	129	24.842	6.088	5.659	1.00	0.01
ATOM	1125	CD2	HIS	A	129	24.631	7.425	5.690	1.00	0.00
ATOM	1126	C	HIS	A	129	22.490	10.286	9.208	1.00	0.01
ATOM	1127	O	HIS	A	129	22.551	10.086	10.429	1.00	0.01
ATOM	1128	N	GLN	A	130	21.884	11.347	8.692	1.00	0.00
ATOM	1130	CA	GLN	A	130	21.584	12.495	9.554	1.00	0.01
ATOM	1131	CB	GLN	A	130	21.345	13.744	8.723	1.00	0.17
ATOM	1132	CG	GLN	A	130	22.630	14.305	8.135	1.00	0.98
ATOM	1133	CD	GLN	A	130	22.347	15.685	7.550	1.00	1.72
ATOM	1134	OE1	GLN	A	130	22.530	16.708	8.220	1.00	2.37
ATOM	1135	NE2	GLN	A	130	21.885	15.698	6.313	1.00	2.56
ATOM	1138	C	GLN	A	130	20.372	12.251	10.448	1.00	0.01
ATOM	1139	O	GLN	A	130	20.352	12.767	11.570	1.00	0.00
ATOM	1140	N	GLY	A	131	19.527	11.301	10.080	1.00	0.01

Table III (cont.)

ATOM	1142	CA	GLY	A	131	18.427	10.871	10.943	1.00	0.01
ATOM	1143	C	GLY	A	131	18.960	10.364	12.275	1.00	0.01
ATOM	1144	O	GLY	A	131	18.723	10.998	13.315	1.00	0.01
ATOM	1145	N	PHE	A	132	19.895	9.429	12.203	1.00	0.01
ATOM	1147	CA	PHE	A	132	20.463	8.857	13.427	1.00	0.01
ATOM	1148	CB	PHE	A	132	21.059	7.497	13.110	1.00	0.01
ATOM	1149	CG	PHE	A	132	19.987	6.504	12.696	1.00	0.01
ATOM	1150	CD1	PHE	A	132	18.916	6.253	13.543	1.00	0.01
ATOM	1151	CE1	PHE	A	132	17.930	5.353	13.166	1.00	0.01
ATOM	1152	CZ	PHE	A	132	18.018	4.704	11.942	1.00	0.01
ATOM	1153	CE2	PHE	A	132	19.088	4.957	11.095	1.00	0.01
ATOM	1154	CD2	PHE	A	132	20.071	5.861	11.470	1.00	0.01
ATOM	1155	C	PHE	A	132	21.504	9.756	14.083	1.00	0.01
ATOM	1156	O	PHE	A	132	21.634	9.705	15.310	1.00	0.01
ATOM	1157	N	GLN	A	133	22.021	10.734	13.358	1.00	0.00
ATOM	1159	CA	GLN	A	133	22.907	11.715	13.988	1.00	0.01
ATOM	1160	CB	GLN	A	133	23.676	12.464	12.912	1.00	0.01
ATOM	1161	CG	GLN	A	133	24.601	11.545	12.125	1.00	0.01
ATOM	1162	CD	GLN	A	133	25.235	12.362	11.008	1.00	0.01
ATOM	1163	OE1	GLN	A	133	25.151	12.017	9.820	1.00	0.00
ATOM	1164	NE2	GLN	A	133	25.763	13.506	11.403	1.00	0.00
ATOM	1167	C	GLN	A	133	22.132	12.726	14.832	1.00	0.01
ATOM	1168	O	GLN	A	133	22.580	13.036	15.942	1.00	0.01
ATOM	1169	N	HIS	A	134	20.896	13.025	14.459	1.00	0.01
ATOM	1171	CA	HIS	A	134	20.097	13.966	15.263	1.00	0.01
ATOM	1172	CB	HIS	A	134	18.982	14.624	14.460	1.00	0.18
ATOM	1173	CG	HIS	A	134	19.312	15.245	13.125	1.00	0.86
ATOM	1174	ND1	HIS	A	134	18.393	15.644	12.235	1.00	1.74
ATOM	1176	CE1	HIS	A	134	19.018	16.128	11.144	1.00	2.27
ATOM	1177	NE2	HIS	A	134	20.344	16.050	11.364	1.00	2.14
ATOM	1178	CD2	HIS	A	134	20.545	15.536	12.597	1.00	1.59
ATOM	1179	C	HIS	A	134	19.412	13.225	16.393	1.00	0.01
ATOM	1180	O	HIS	A	134	19.141	13.801	17.454	1.00	0.01
ATOM	1181	N	LEU	A	135	19.310	11.920	16.226	1.00	0.01
ATOM	1183	CA	LEU	A	135	18.802	11.066	17.292	1.00	0.01
ATOM	1184	CB	LEU	A	135	18.447	9.732	16.655	1.00	0.01
ATOM	1185	CG	LEU	A	135	17.628	8.844	17.574	1.00	0.01
ATOM	1186	CD1	LEU	A	135	16.426	9.600	18.133	1.00	0.01
ATOM	1187	CD2	LEU	A	135	17.182	7.601	16.813	1.00	0.01
ATOM	1188	C	LEU	A	135	19.875	10.912	18.369	1.00	0.01
ATOM	1189	O	LEU	A	135	19.565	11.061	19.557	1.00	0.01
ATOM	1190	N	VAL	A	136	21.129	10.952	17.944	1.00	0.01
ATOM	1192	CA	VAL	A	136	22.252	11.007	18.884	1.00	0.01
ATOM	1193	CB	VAL	A	136	23.538	10.706	18.115	1.00	0.27
ATOM	1194	CG1	VAL	A	136	24.779	11.158	18.874	1.00	0.79
ATOM	1195	CG2	VAL	A	136	23.631	9.230	17.746	1.00	0.30
ATOM	1196	C	VAL	A	136	22.357	12.377	19.558	1.00	0.00
ATOM	1197	O	VAL	A	136	22.491	12.418	20.786	1.00	0.01
ATOM	1198	N	HIS	A	137	22.011	13.439	18.844	1.00	0.01
ATOM	1200	CA	HIS	A	137	22.037	14.787	19.436	1.00	0.02
ATOM	1201	CB	HIS	A	137	21.806	15.838	18.348	1.00	0.16
ATOM	1202	CG	HIS	A	137	22.837	15.906	17.234	1.00	0.20
ATOM	1203	ND1	HIS	A	137	22.648	16.421	16.003	1.00	0.23
ATOM	1205	CE1	HIS	A	137	23.784	16.303	15.288	1.00	0.21
ATOM	1206	NE2	HIS	A	137	24.709	15.722	16.085	1.00	0.23
ATOM	1207	CD2	HIS	A	137	24.145	15.483	17.290	1.00	0.25
ATOM	1208	C	HIS	A	137	20.950	14.950	20.499	1.00	0.01
ATOM	1209	O	HIS	A	137	21.257	15.358	21.627	1.00	0.01

Table III (cont.)

ATOM	1210	N	SER	A	138	19.784	14.376	20.239	1.00	0.01
ATOM	1212	CA	SER	A	138	18.665	14.459	21.191	1.00	0.01
ATOM	1213	CB	SER	A	138	17.355	14.205	20.449	1.00	0.30
ATOM	1214	OG	SER	A	138	17.373	12.882	19.930	1.00	0.53
ATOM	1215	C	SER	A	138	18.799	13.466	22.348	1.00	0.01
ATOM	1216	O	SER	A	138	18.125	13.616	23.375	1.00	0.00
ATOM	1217	N	LEU	A	139	19.717	12.523	22.225	1.00	0.01
ATOM	1219	CA	LEU	A	139	20.031	11.612	23.325	1.00	0.01
ATOM	1220	CB	LEU	A	139	20.118	10.188	22.797	1.00	0.01
ATOM	1221	CG	LEU	A	139	18.756	9.706	22.308	1.00	0.00
ATOM	1222	CD1	LEU	A	139	18.857	8.310	21.708	1.00	0.01
ATOM	1223	CD2	LEU	A	139	17.723	9.741	23.431	1.00	0.01
ATOM	1224	C	LEU	A	139	21.327	11.991	24.045	1.00	0.01
ATOM	1225	O	LEU	A	139	21.830	11.202	24.853	1.00	0.01
ATOM	1226	N	THR	A	140	21.881	13.152	23.737	1.00	0.01
ATOM	1228	CA	THR	A	140	23.071	13.626	24.453	1.00	0.01
ATOM	1229	CB	THR	A	140	24.276	13.631	23.517	1.00	0.52
ATOM	1230	OG1	THR	A	140	23.934	14.391	22.365	1.00	1.05
ATOM	1231	CG2	THR	A	140	24.672	12.227	23.071	1.00	0.85
ATOM	1232	C	THR	A	140	22.886	15.029	25.026	1.00	0.01
ATOM	1233	O	THR	A	140	23.881	15.742	25.199	1.00	0.01
ATOM	1234	N	VAL	A	141	21.650	15.419	25.304	1.00	0.02
ATOM	1236	CA	VAL	A	141	21.356	16.781	25.793	1.00	0.01
ATOM	1237	CB	VAL	A	141	19.842	16.978	25.741	1.00	0.79
ATOM	1238	CG1	VAL	A	141	19.440	18.380	26.189	1.00	1.02
ATOM	1239	CG2	VAL	A	141	19.312	16.707	24.338	1.00	0.94
ATOM	1240	C	VAL	A	141	21.861	17.027	27.220	1.00	0.01
ATOM	1241	O	VAL	A	141	21.240	16.603	28.202	1.00	0.01
ATOM	1242	N	PRO	A	142	22.865	17.887	27.325	1.00	0.01
ATOM	1243	CA	PRO	A	142	23.559	18.090	28.603	1.00	0.02
ATOM	1244	CB	PRO	A	142	24.852	18.745	28.224	1.00	0.01
ATOM	1245	CG	PRO	A	142	24.793	19.171	26.763	1.00	0.01
ATOM	1246	CD	PRO	A	142	23.476	18.639	26.223	1.00	0.02
ATOM	1247	C	PRO	A	142	22.794	18.975	29.594	1.00	0.01
ATOM	1248	O	PRO	A	142	22.973	18.832	30.808	1.00	0.02
ATOM	1249	N	SER	A	143	21.846	19.756	29.097	1.00	0.01
ATOM	1251	CA	SER	A	143	21.070	20.655	29.962	1.00	0.02
ATOM	1252	CB	SER	A	143	20.710	21.911	29.179	1.00	1.07
ATOM	1253	OG	SER	A	143	19.787	21.539	28.164	1.00	1.15
ATOM	1254	C	SER	A	143	19.786	19.997	30.459	1.00	0.01
ATOM	1255	O	SER	A	143	19.067	20.572	31.283	1.00	0.02
ATOM	1256	N	LYS	A	144	19.510	18.806	29.956	1.00	0.01
ATOM	1258	CA	LYS	A	144	18.340	18.042	30.382	1.00	0.02
ATOM	1259	CB	LYS	A	144	17.101	18.505	29.620	1.00	0.39
ATOM	1260	CG	LYS	A	144	15.850	17.808	30.147	1.00	0.73
ATOM	1261	CD	LYS	A	144	15.693	18.028	31.649	1.00	0.88
ATOM	1262	CE	LYS	A	144	14.516	17.238	32.208	1.00	1.90
ATOM	1263	NZ	LYS	A	144	14.372	17.446	33.657	1.00	2.56
ATOM	1264	C	LYS	A	144	18.625	16.575	30.111	1.00	0.01
ATOM	1265	O	LYS	A	144	18.213	16.009	29.089	1.00	0.02
ATOM	1266	N	ASP	A	145	19.330	15.963	31.045	1.00	0.01
ATOM	1268	CA	ASP	A	145	19.767	14.583	30.849	1.00	0.00
ATOM	1269	CB	ASP	A	145	21.057	14.363	31.629	1.00	0.63
ATOM	1270	CG	ASP	A	145	21.709	13.068	31.158	1.00	1.02
ATOM	1271	OD1	ASP	A	145	22.537	12.543	31.886	1.00	1.80
ATOM	1272	OD2	ASP	A	145	21.406	12.669	30.041	1.00	0.62
ATOM	1273	C	ASP	A	145	18.703	13.568	31.272	1.00	0.01
ATOM	1274	O	ASP	A	145	18.729	13.027	32.381	1.00	0.01

Table III (cont.)

ATOM	1275	N	LEU	A	146	17.768	13.333	30.364	1.00	0.01
ATOM	1277	CA	LEU	A	146	16.796	12.240	30.509	1.00	0.02
ATOM	1278	CB	LEU	A	146	15.424	12.731	30.037	1.00	0.01
ATOM	1279	CG	LEU	A	146	14.351	11.649	30.160	1.00	0.01
ATOM	1280	CD1	LEU	A	146	14.209	11.160	31.599	1.00	0.01
ATOM	1281	CD2	LEU	A	146	13.007	12.109	29.612	1.00	0.01
ATOM	1282	C	LEU	A	146	17.253	11.058	29.650	1.00	0.02
ATOM	1283	O	LEU	A	146	16.750	9.934	29.763	1.00	0.01
ATOM	1284	N	THR	A	147	18.323	11.305	28.915	1.00	0.00
ATOM	1286	CA	THR	A	147	18.804	10.382	27.894	1.00	0.01
ATOM	1287	CB	THR	A	147	19.914	11.089	27.153	1.00	2.66
ATOM	1288	OG1	THR	A	147	21.122	10.931	27.882	1.00	3.01
ATOM	1289	CG2	THR	A	147	19.599	12.574	27.002	1.00	3.30
ATOM	1290	C	THR	A	147	19.313	9.064	28.460	1.00	0.01
ATOM	1291	O	THR	A	147	19.523	8.894	29.666	1.00	0.01
ATOM	1292	N	LEU	A	148	19.478	8.131	27.543	1.00	0.01
ATOM	1294	CA	LEU	A	148	19.785	6.740	27.901	1.00	0.00
ATOM	1295	CB	LEU	A	148	19.422	5.797	26.747	1.00	0.01
ATOM	1296	CG	LEU	A	148	17.933	5.672	26.394	1.00	0.01
ATOM	1297	CD1	LEU	A	148	17.000	6.009	27.550	1.00	0.00
ATOM	1298	CD2	LEU	A	148	17.554	6.469	25.149	1.00	0.01
ATOM	1299	C	LEU	A	148	21.263	6.540	28.222	1.00	0.01
ATOM	1300	O	LEU	A	148	22.140	7.211	27.660	1.00	0.02
ATOM	1301	N	LYS	A	149	21.526	5.577	29.090	1.00	0.01
ATOM	1303	CA	LYS	A	149	22.899	5.138	29.373	1.00	0.01
ATOM	1304	CB	LYS	A	149	22.989	4.568	30.784	1.00	0.59
ATOM	1305	CG	LYS	A	149	22.743	5.637	31.840	1.00	0.67
ATOM	1306	CD	LYS	A	149	22.935	5.064	33.239	1.00	0.79
ATOM	1307	CE	LYS	A	149	24.323	4.451	33.397	1.00	0.79
ATOM	1308	NZ	LYS	A	149	24.486	3.849	34.730	1.00	1.03
ATOM	1309	C	LYS	A	149	23.310	4.070	28.367	1.00	0.01
ATOM	1310	O	LYS	A	149	23.169	2.862	28.605	1.00	0.01
ATOM	1311	N	MET	A	150	23.712	4.541	27.201	1.00	0.01
ATOM	1313	CA	MET	A	150	24.103	3.652	26.110	1.00	0.02
ATOM	1314	CB	MET	A	150	23.980	4.407	24.794	1.00	0.87
ATOM	1315	CG	MET	A	150	22.548	4.877	24.562	1.00	1.11
ATOM	1316	SD	MET	A	150	22.254	5.732	22.997	1.00	2.15
ATOM	1317	CE	MET	A	150	22.722	4.406	21.860	1.00	2.30
ATOM	1318	C	MET	A	150	25.525	3.136	26.285	1.00	0.01
ATOM	1319	O	MET	A	150	26.345	3.715	27.004	1.00	0.02
ATOM	1320	N	GLY	A	151	25.762	1.986	25.684	1.00	0.01
ATOM	1322	CA	GLY	A	151	27.084	1.360	25.688	1.00	0.02
ATOM	1323	C	GLY	A	151	27.333	0.658	24.358	1.00	0.01
ATOM	1324	O	GLY	A	151	27.128	-0.558	24.235	1.00	0.01
ATOM	1325	N	SER	A	152	27.756	1.424	23.366	1.00	0.02
ATOM	1327	CA	SER	A	152	27.965	0.840	22.037	1.00	0.01
ATOM	1328	CB	SER	A	152	27.031	1.518	21.042	1.00	0.59
ATOM	1329	OG	SER	A	152	26.747	0.584	20.003	1.00	1.14
ATOM	1330	C	SER	A	152	29.430	0.954	21.604	1.00	0.01
ATOM	1331	O	SER	A	152	29.998	2.051	21.483	1.00	0.01
ATOM	1332	N	ALA	A	153	30.002	-0.201	21.312	1.00	0.01
ATOM	1334	CA	ALA	A	153	31.434	-0.285	21.014	1.00	0.01
ATOM	1335	CB	ALA	A	153	32.184	-0.564	22.308	1.00	0.16
ATOM	1336	C	ALA	A	153	31.785	-1.353	19.982	1.00	0.01
ATOM	1337	O	ALA	A	153	31.344	-2.509	20.054	1.00	0.01
ATOM	1338	N	LEU	A	154	32.661	-0.952	19.079	1.00	0.01
ATOM	1340	CA	LEU	A	154	33.177	-1.833	18.032	1.00	0.02
ATOM	1341	CB	LEU	A	154	33.318	-1.043	16.738	1.00	0.02

Table III (cont.)

ATOM	1342	CG	LEU	A	154	31.967	-0.608	16.192	1.00	0.02
ATOM	1343	CD1	LEU	A	154	32.149	0.287	14.974	1.00	0.02
ATOM	1344	CD2	LEU	A	154	31.112	-1.821	15.843	1.00	0.01
ATOM	1345	C	LEU	A	154	34.545	-2.373	18.419	1.00	0.02
ATOM	1346	O	LEU	A	154	35.547	-1.646	18.423	1.00	0.02
ATOM	1347	N	PHE	A	155	34.580	-3.660	18.697	1.00	0.01
ATOM	1349	CA	PHE	A	155	35.833	-4.328	19.045	1.00	0.01
ATOM	1350	CB	PHE	A	155	35.588	-5.319	20.177	1.00	0.02
ATOM	1351	CG	PHE	A	155	35.233	-4.669	21.513	1.00	0.02
ATOM	1352	CD1	PHE	A	155	33.905	-4.509	21.891	1.00	0.01
ATOM	1353	CE1	PHE	A	155	33.595	-3.915	23.108	1.00	0.02
ATOM	1354	CZ	PHE	A	155	34.612	-3.487	23.951	1.00	0.02
ATOM	1355	CE2	PHE	A	155	35.938	-3.656	23.579	1.00	0.02
ATOM	1356	CD2	PHE	A	155	36.248	-4.248	22.362	1.00	0.01
ATOM	1357	C	PHE	A	155	36.396	-5.020	17.811	1.00	0.01
ATOM	1358	O	PHE	A	155	36.004	-6.140	17.456	1.00	0.01
ATOM	1359	N	VAL	A	156	37.292	-4.305	17.155	1.00	0.01
ATOM	1361	CA	VAL	A	156	37.900	-4.765	15.907	1.00	0.02
ATOM	1362	CB	VAL	A	156	38.348	-3.545	15.106	1.00	0.49
ATOM	1363	CG1	VAL	A	156	37.177	-2.605	14.855	1.00	0.60
ATOM	1364	CG2	VAL	A	156	39.465	-2.791	15.815	1.00	0.71
ATOM	1365	C	VAL	A	156	39.096	-5.655	16.208	1.00	0.02
ATOM	1366	O	VAL	A	156	39.663	-5.590	17.305	1.00	0.01
ATOM	1367	N	LYS	A	157	39.400	-6.547	15.284	1.00	0.01
ATOM	1369	CA	LYS	A	157	40.561	-7.422	15.450	1.00	0.01
ATOM	1370	CB	LYS	A	157	40.556	-8.448	14.320	1.00	0.81
ATOM	1371	CG	LYS	A	157	41.622	-9.520	14.506	1.00	0.87
ATOM	1372	CD	LYS	A	157	41.619	-10.513	13.352	1.00	1.04
ATOM	1373	CE	LYS	A	157	42.711	-11.559	13.538	1.00	0.96
ATOM	1374	NZ	LYS	A	157	44.032	-10.918	13.638	1.00	2.10
ATOM	1375	C	LYS	A	157	41.862	-6.621	15.450	1.00	0.02
ATOM	1376	O	LYS	A	157	42.037	-5.658	14.691	1.00	0.02
ATOM	1377	N	LYS	A	158	42.687	-6.932	16.434	1.00	0.01
ATOM	1379	CA	LYS	A	158	44.031	-6.371	16.530	1.00	0.01
ATOM	1380	CB	LYS	A	158	44.706	-7.030	17.731	1.00	0.36
ATOM	1381	CG	LYS	A	158	46.081	-6.452	18.039	1.00	1.34
ATOM	1382	CD	LYS	A	158	46.724	-7.176	19.214	1.00	1.37
ATOM	1383	CE	LYS	A	158	48.116	-6.632	19.509	1.00	2.23
ATOM	1384	NZ	LYS	A	158	48.728	-7.342	20.642	1.00	2.98
ATOM	1385	C	LYS	A	158	44.818	-6.663	15.256	1.00	0.02
ATOM	1386	O	LYS	A	158	44.750	-7.769	14.708	1.00	0.02
ATOM	1387	N	GLU	A	159	45.458	-5.616	14.752	1.00	0.02
ATOM	1389	CA	GLU	A	159	46.337	-5.662	13.568	1.00	0.00
ATOM	1390	CB	GLU	A	159	47.312	-6.837	13.652	1.00	0.97
ATOM	1391	CG	GLU	A	159	48.235	-6.729	14.860	1.00	1.47
ATOM	1392	CD	GLU	A	159	49.069	-7.997	14.999	1.00	1.57
ATOM	1393	OE1	GLU	A	159	49.297	-8.396	16.135	1.00	2.13
ATOM	1394	OE2	GLU	A	159	49.515	-8.508	13.982	1.00	1.77
ATOM	1395	C	GLU	A	159	45.561	-5.739	12.255	1.00	0.01
ATOM	1396	O	GLU	A	159	45.933	-6.505	11.360	1.00	0.02
ATOM	1397	N	LEU	A	160	44.478	-4.986	12.163	1.00	0.02
ATOM	1399	CA	LEU	A	160	43.803	-4.808	10.872	1.00	0.02
ATOM	1400	CB	LEU	A	160	42.291	-4.800	11.054	1.00	0.02
ATOM	1401	CG	LEU	A	160	41.736	-6.146	11.496	1.00	0.01
ATOM	1402	CD1	LEU	A	160	40.224	-6.046	11.653	1.00	0.02

Table III (cont.)

ATOM	1403	CD2	LEU	A	160	42.095	-7.249	10.506	1.00	0.00
ATOM	1404	C	LEU	A	160	44.218	-3.479	10.256	1.00	0.00
ATOM	1405	O	LEU	A	160	44.754	-2.605	10.950	1.00	0.02
ATOM	1406	N	GLN	A	161	43.941	-3.317	8.974	1.00	0.01
ATOM	1408	CA	GLN	A	161	44.189	-2.029	8.312	1.00	0.01
ATOM	1409	CB	GLN	A	161	44.562	-2.265	6.857	1.00	0.92
ATOM	1410	CG	GLN	A	161	46.073	-2.179	6.681	1.00	1.52
ATOM	1411	CD	GLN	A	161	46.526	-0.743	6.938	1.00	1.99
ATOM	1412	OE1	GLN	A	161	45.895	0.209	6.469	1.00	2.12
ATOM	1413	NE2	GLN	A	161	47.601	-0.601	7.694	1.00	2.59
ATOM	1416	C	GLN	A	161	42.978	-1.108	8.421	1.00	0.00
ATOM	1417	O	GLN	A	161	42.227	-0.902	7.459	1.00	0.00
ATOM	1418	N	LEU	A	162	42.846	-0.533	9.605	1.00	0.02
ATOM	1420	CA	LEU	A	162	41.713	0.327	9.948	1.00	0.00
ATOM	1421	CB	LEU	A	162	41.655	0.461	11.464	1.00	0.02
ATOM	1422	CG	LEU	A	162	41.484	-0.895	12.139	1.00	0.02
ATOM	1423	CD1	LEU	A	162	41.692	-0.783	13.644	1.00	0.01
ATOM	1424	CD2	LEU	A	162	40.125	-1.510	11.816	1.00	0.02
ATOM	1425	C	LEU	A	162	41.847	1.709	9.324	1.00	0.00
ATOM	1426	O	LEU	A	162	42.798	2.456	9.587	1.00	0.02
ATOM	1427	N	GLN	A	163	40.861	2.041	8.516	1.00	0.01
ATOM	1429	CA	GLN	A	163	40.834	3.337	7.847	1.00	0.00
ATOM	1430	CB	GLN	A	163	39.974	3.191	6.604	1.00	0.67
ATOM	1431	CG	GLN	A	163	40.562	2.109	5.706	1.00	1.20
ATOM	1432	CD	GLN	A	163	39.575	1.724	4.613	1.00	2.06
ATOM	1433	OE1	GLN	A	163	39.212	0.548	4.484	1.00	2.42
ATOM	1434	NE2	GLN	A	163	39.127	2.710	3.859	1.00	2.92
ATOM	1437	C	GLN	A	163	40.291	4.420	8.768	1.00	0.01
ATOM	1438	O	GLN	A	163	39.235	4.271	9.398	1.00	0.02
ATOM	1439	N	ALA	A	164	40.912	5.584	8.666	1.00	0.00
ATOM	1441	CA	ALA	A	164	40.567	6.716	9.535	1.00	0.02
ATOM	1442	CB	ALA	A	164	41.691	7.742	9.468	1.00	0.37
ATOM	1443	C	ALA	A	164	39.244	7.384	9.171	1.00	0.01
ATOM	1444	O	ALA	A	164	38.627	8.022	10.030	1.00	0.00
ATOM	1445	N	ASN	A	165	38.696	7.036	8.019	1.00	0.02
ATOM	1447	CA	ASN	A	165	37.393	7.564	7.624	1.00	0.02
ATOM	1448	CB	ASN	A	165	37.238	7.379	6.122	1.00	0.32
ATOM	1449	CG	ASN	A	165	38.369	8.106	5.408	1.00	1.12
ATOM	1450	OD1	ASN	A	165	39.322	7.482	4.925	1.00	1.77
ATOM	1451	ND2	ASN	A	165	38.285	9.425	5.425	1.00	2.08
ATOM	1454	C	ASN	A	165	36.271	6.831	8.344	1.00	0.01
ATOM	1455	O	ASN	A	165	35.347	7.484	8.842	1.00	0.02
ATOM	1456	N	PHE	A	166	36.494	5.563	8.654	1.00	0.02
ATOM	1458	CA	PHE	A	166	35.481	4.817	9.395	1.00	0.01
ATOM	1459	CB	PHE	A	166	35.696	3.326	9.201	1.00	0.02
ATOM	1460	CG	PHE	A	166	34.703	2.464	9.972	1.00	0.02
ATOM	1461	CD1	PHE	A	166	33.360	2.476	9.623	1.00	0.01
ATOM	1462	CE1	PHE	A	166	32.453	1.687	10.317	1.00	0.01
ATOM	1463	CZ	PHE	A	166	32.889	0.892	11.369	1.00	0.02
ATOM	1464	CE2	PHE	A	166	34.230	0.892	11.731	1.00	0.01
ATOM	1465	CD2	PHE	A	166	35.137	1.681	11.035	1.00	0.01
ATOM	1466	C	PHE	A	166	35.573	5.138	10.874	1.00	0.01
ATOM	1467	O	PHE	A	166	34.534	5.303	11.524	1.00	0.02
ATOM	1468	N	LEU	A	167	36.769	5.495	11.315	1.00	0.01
ATOM	1470	CA	LEU	A	167	36.960	5.888	12.712	1.00	0.02
ATOM	1471	CB	LEU	A	167	38.457	5.931	13.000	1.00	0.02
ATOM	1472	CG	LEU	A	167	39.122	4.585	12.726	1.00	0.02
ATOM	1473	CD1	LEU	A	167	40.639	4.684	12.848	1.00	0.01

Table III (cont.)

ATOM	1474	CD2	LEU	A	167	38.580	3.494	13.643	1.00	0.02
ATOM	1475	C	LEU	A	167	36.339	7.261	12.953	1.00	0.02
ATOM	1476	O	LEU	A	167	35.587	7.429	13.923	1.00	0.01
ATOM	1477	N	GLY	A	168	36.441	8.120	11.951	1.00	0.01
ATOM	1479	CA	GLY	A	168	35.776	9.427	11.965	1.00	0.01
ATOM	1480	C	GLY	A	168	34.261	9.276	12.052	1.00	0.01
ATOM	1481	O	GLY	A	168	33.673	9.677	13.063	1.00	0.01
ATOM	1482	N	ASN	A	169	33.691	8.508	11.136	1.00	0.02
ATOM	1484	CA	ASN	A	169	32.238	8.294	11.107	1.00	0.01
ATOM	1485	CB	ASN	A	169	31.922	7.334	9.965	1.00	0.23
ATOM	1486	CG	ASN	A	169	32.243	7.956	8.607	1.00	0.32
ATOM	1487	OD1	ASN	A	169	32.241	9.183	8.452	1.00	1.33
ATOM	1488	ND2	ASN	A	169	32.425	7.101	7.614	1.00	0.79
ATOM	1491	C	ASN	A	169	31.692	7.704	12.407	1.00	0.01
ATOM	1492	O	ASN	A	169	30.833	8.331	13.043	1.00	0.01
ATOM	1493	N	VAL	A	170	32.369	6.699	12.934	1.00	0.01
ATOM	1495	CA	VAL	A	170	31.893	6.039	14.149	1.00	0.01
ATOM	1496	CB	VAL	A	170	32.705	4.765	14.329	1.00	0.02
ATOM	1497	CG1	VAL	A	170	32.420	4.094	15.663	1.00	0.01
ATOM	1498	CG2	VAL	A	170	32.422	3.803	13.189	1.00	0.02
ATOM	1499	C	VAL	A	170	32.007	6.909	15.397	1.00	0.01
ATOM	1500	O	VAL	A	170	30.975	7.179	16.027	1.00	0.02
ATOM	1501	N	LYS	A	171	33.147	7.541	15.608	1.00	0.01
ATOM	1503	CA	LYS	A	171	33.345	8.264	16.867	1.00	0.01
ATOM	1504	CB	LYS	A	171	34.843	8.333	17.125	1.00	0.00
ATOM	1505	CG	LYS	A	171	35.458	6.940	17.120	1.00	0.02
ATOM	1506	CD	LYS	A	171	36.977	7.001	17.204	1.00	0.02
ATOM	1507	CE	LYS	A	171	37.580	5.606	17.105	1.00	0.02
ATOM	1508	NZ	LYS	A	171	39.050	5.655	17.129	1.00	0.02
ATOM	1509	C	LYS	A	171	32.773	9.677	16.841	1.00	0.01
ATOM	1510	O	LYS	A	171	32.098	10.082	17.793	1.00	0.01
ATOM	1511	N	ARG	A	172	32.835	10.316	15.688	1.00	0.01
ATOM	1513	CA	ARG	A	172	32.435	11.720	15.585	1.00	0.00
ATOM	1514	CB	ARG	A	172	33.397	12.362	14.591	1.00	0.23
ATOM	1515	CG	ARG	A	172	32.990	13.760	14.149	1.00	1.13
ATOM	1516	CD	ARG	A	172	33.933	14.237	13.052	1.00	1.10
ATOM	1517	NE	ARG	A	172	34.064	13.196	12.018	1.00	1.48
ATOM	1518	CZ	ARG	A	172	33.587	13.311	10.777	1.00	2.53
ATOM	1519	NH1	ARG	A	172	33.721	12.299	9.917	1.00	3.39
ATOM	1520	NH2	ARG	A	172	32.953	14.425	10.404	1.00	3.21
ATOM	1521	C	ARG	A	172	30.992	11.912	15.124	1.00	0.01
ATOM	1522	O	ARG	A	172	30.331	12.858	15.567	1.00	0.01
ATOM	1523	N	LEU	A	173	30.467	10.983	14.344	1.00	0.01
ATOM	1525	CA	LEU	A	173	29.098	11.161	13.854	1.00	0.01
ATOM	1526	CB	LEU	A	173	29.062	10.874	12.356	1.00	0.01
ATOM	1527	CG	LEU	A	173	29.977	11.809	11.572	1.00	0.02
ATOM	1528	CD1	LEU	A	173	30.030	11.409	10.102	1.00	0.01
ATOM	1529	CD2	LEU	A	173	29.540	13.263	11.717	1.00	0.01
ATOM	1530	C	LEU	A	173	28.103	10.255	14.571	1.00	0.01
ATOM	1531	O	LEU	A	173	26.901	10.546	14.576	1.00	0.02
ATOM	1532	N	TYR	A	174	28.592	9.176	15.160	1.00	0.01
ATOM	1534	CA	TYR	A	174	27.700	8.255	15.881	1.00	0.01
ATOM	1535	CB	TYR	A	174	27.665	6.919	15.148	1.00	0.01
ATOM	1536	CG	TYR	A	174	26.771	6.904	13.912	1.00	0.01
ATOM	1537	CD1	TYR	A	174	27.282	7.217	12.659	1.00	0.01
ATOM	1538	CE1	TYR	A	174	26.452	7.192	11.547	1.00	0.00
ATOM	1539	CZ	TYR	A	174	25.114	6.850	11.688	1.00	0.01
ATOM	1540	OH	TYR	A	174	24.338	6.654	10.568	1.00	0.01

Table III (cont.)

ATOM	1541	CE2	TYR	A	174	24.599	6.548	12.940	1.00	0.01
ATOM	1542	CD2	TYR	A	174	25.429	6.576	14.052	1.00	0.01
ATOM	1543	C	TYR	A	174	28.088	8.028	17.342	1.00	0.01
ATOM	1544	O	TYR	A	174	27.429	7.233	18.025	1.00	0.01
ATOM	1545	N	GLU	A	175	29.085	8.764	17.816	1.00	0.02
ATOM	1547	CA	GLU	A	175	29.666	8.641	19.175	1.00	0.01
ATOM	1548	CB	GLU	A	175	28.893	9.507	20.187	1.00	2.11
ATOM	1549	CG	GLU	A	175	27.387	9.247	20.319	1.00	2.81
ATOM	1550	CD	GLU	A	175	27.038	8.241	21.419	1.00	3.91
ATOM	1551	OE1	GLU	A	175	27.508	8.466	22.527	1.00	4.60
ATOM	1552	OE2	GLU	A	175	26.072	7.518	21.217	1.00	4.31
ATOM	1553	C	GLU	A	175	29.848	7.202	19.666	1.00	0.02
ATOM	1554	O	GLU	A	175	29.416	6.852	20.768	1.00	0.02
ATOM	1555	N	ALA	A	176	30.497	6.378	18.863	1.00	0.01
ATOM	1557	CA	ALA	A	176	30.770	5.009	19.298	1.00	0.01
ATOM	1558	CB	ALA	A	176	30.085	4.021	18.371	1.00	0.31
ATOM	1559	C	ALA	A	176	32.265	4.741	19.371	1.00	0.02
ATOM	1560	O	ALA	A	176	33.063	5.261	18.581	1.00	0.01
ATOM	1561	N	GLU	A	177	32.630	3.913	20.331	1.00	0.01
ATOM	1563	CA	GLU	A	177	34.048	3.668	20.610	1.00	0.02
ATOM	1564	CB	GLU	A	177	34.154	3.396	22.101	1.00	0.01
ATOM	1565	CG	GLU	A	177	33.567	4.556	22.894	1.00	0.02
ATOM	1566	CD	GLU	A	177	33.460	4.182	24.366	1.00	0.01
ATOM	1567	OE1	GLU	A	177	34.417	4.421	25.089	1.00	0.02
ATOM	1568	OE2	GLU	A	177	32.414	3.674	24.741	1.00	0.02
ATOM	1569	C	GLU	A	177	34.603	2.482	19.829	1.00	0.02
ATOM	1570	O	GLU	A	177	34.006	1.401	19.833	1.00	0.02
ATOM	1571	N	VAL	A	178	35.710	2.696	19.138	1.00	0.01
ATOM	1573	CA	VAL	A	178	36.389	1.592	18.442	1.00	0.02
ATOM	1574	CB	VAL	A	178	36.763	2.034	17.029	1.00	0.21
ATOM	1575	CG1	VAL	A	178	37.555	0.962	16.287	1.00	0.34
ATOM	1576	CG2	VAL	A	178	35.525	2.417	16.230	1.00	0.34
ATOM	1577	C	VAL	A	178	37.641	1.164	19.208	1.00	0.02
ATOM	1578	O	VAL	A	178	38.536	1.975	19.474	1.00	0.01
ATOM	1579	N	PHE	A	179	37.673	-0.103	19.582	1.00	0.02
ATOM	1581	CA	PHE	A	179	38.813	-0.652	20.325	1.00	0.02
ATOM	1582	CB	PHE	A	179	38.331	-1.131	21.688	1.00	0.01
ATOM	1583	CG	PHE	A	179	37.785	-0.030	22.590	1.00	0.02
ATOM	1584	CD1	PHE	A	179	38.610	1.013	22.989	1.00	0.01
ATOM	1585	CE1	PHE	A	179	38.114	2.014	23.814	1.00	0.02
ATOM	1586	CZ	PHE	A	179	36.794	1.969	24.241	1.00	0.01
ATOM	1587	CE2	PHE	A	179	35.969	0.926	23.841	1.00	0.01
ATOM	1588	CD2	PHE	A	179	36.464	-0.074	23.015	1.00	0.02
ATOM	1589	C	PHE	A	179	39.456	-1.824	19.594	1.00	0.01
ATOM	1590	O	PHE	A	179	38.765	-2.745	19.145	1.00	0.02
ATOM	1591	N	SER	A	180	40.772	-1.770	19.469	1.00	0.02
ATOM	1593	CA	SER	A	180	41.520	-2.893	18.890	1.00	0.01
ATOM	1594	CB	SER	A	180	42.876	-2.402	18.405	1.00	0.08
ATOM	1595	OG	SER	A	180	43.587	-3.537	17.933	1.00	0.09
ATOM	1596	C	SER	A	180	41.713	-3.982	19.938	1.00	0.01
ATOM	1597	O	SER	A	180	42.463	-3.816	20.906	1.00	0.02
ATOM	1598	N	THR	A	181	41.050	-5.100	19.718	1.00	0.01
ATOM	1600	CA	THR	A	181	41.020	-6.168	20.712	1.00	0.02
ATOM	1601	CB	THR	A	181	39.553	-6.503	20.935	1.00	0.65
ATOM	1602	OG1	THR	A	181	38.817	-5.290	20.839	1.00	1.46
ATOM	1603	CG2	THR	A	181	39.298	-7.129	22.301	1.00	0.43
ATOM	1604	C	THR	A	181	41.786	-7.392	20.221	1.00	0.03
ATOM	1605	O	THR	A	181	41.690	-7.780	19.049	1.00	0.01

Table III (cont.)

ATOM	1606	N	ASP	A	182	42.579	-7.975	21.104	1.00	0.02
ATOM	1608	CA	ASP	A	182	43.355	-9.159	20.722	1.00	0.02
ATOM	1609	CB	ASP	A	182	44.572	-9.307	21.629	1.00	0.71
ATOM	1610	CG	ASP	A	182	45.377	-10.519	21.174	1.00	0.75
ATOM	1611	OD1	ASP	A	182	45.596	-10.586	19.972	1.00	0.69
ATOM	1612	OD2	ASP	A	182	45.339	-11.498	21.906	1.00	0.90
ATOM	1613	C	ASP	A	182	42.503	-10.426	20.768	1.00	0.00
ATOM	1614	O	ASP	A	182	42.490	-11.169	21.756	1.00	0.02
ATOM	1615	N	PHE	A	183	42.021	-10.785	19.589	1.00	0.02
ATOM	1617	CA	PHE	A	183	41.163	-11.961	19.427	1.00	0.01
ATOM	1618	CB	PHE	A	183	40.225	-11.721	18.253	1.00	0.02
ATOM	1619	CG	PHE	A	183	39.191	-10.636	18.536	1.00	0.01
ATOM	1620	CD1	PHE	A	183	38.500	-10.639	19.740	1.00	0.01
ATOM	1621	CE1	PHE	A	183	37.560	-9.652	20.004	1.00	0.01
ATOM	1622	CZ	PHE	A	183	37.310	-8.664	19.061	1.00	0.02
ATOM	1623	CE2	PHE	A	183	37.996	-8.666	17.855	1.00	0.00
ATOM	1624	CD2	PHE	A	183	38.936	-9.652	17.593	1.00	0.02
ATOM	1625	C	PHE	A	183	41.938	-13.264	19.246	1.00	0.01
ATOM	1626	O	PHE	A	183	41.325	-14.335	19.184	1.00	0.01
ATOM	1627	N	SER	A	184	43.263	-13.192	19.291	1.00	0.01
ATOM	1629	CA	SER	A	184	44.070	-14.418	19.321	1.00	0.02
ATOM	1630	CB	SER	A	184	45.492	-14.127	18.858	1.00	0.40
ATOM	1631	OG	SER	A	184	46.142	-13.367	19.866	1.00	1.07
ATOM	1632	C	SER	A	184	44.093	-14.982	20.744	1.00	0.02
ATOM	1633	O	SER	A	184	44.506	-16.127	20.961	1.00	0.01
ATOM	1634	N	ASN	A	185	43.690	-14.163	21.703	1.00	0.00
ATOM	1636	CA	ASN	A	185	43.336	-14.670	23.023	1.00	0.02
ATOM	1637	CB	ASN	A	185	44.304	-14.136	24.072	1.00	0.49
ATOM	1638	CG	ASN	A	185	44.036	-14.815	25.415	1.00	1.32
ATOM	1639	OD1	ASN	A	185	42.918	-14.767	25.947	1.00	1.55
ATOM	1640	ND2	ASN	A	185	45.056	-15.472	25.933	1.00	2.05
ATOM	1643	C	ASN	A	185	41.915	-14.218	23.337	1.00	0.02
ATOM	1644	O	ASN	A	185	41.708	-13.214	24.036	1.00	0.02

Table III (cont.)

ATOM	1645	N	PRO	A	186	40.958	-15.073	23.010	1.00	0.01
ATOM	1646	CA	PRO	A	186	39.547	-14.699	23.123	1.00	0.02
ATOM	1647	CB	PRO	A	186	38.808	-15.742	22.343	1.00	0.14
ATOM	1648	CG	PRO	A	186	39.772	-16.852	21.951	1.00	0.20
ATOM	1649	CD	PRO	A	186	41.142	-16.410	22.435	1.00	0.14
ATOM	1650	C	PRO	A	186	39.027	-14.640	24.564	1.00	0.02
ATOM	1651	O	PRO	A	186	38.000	-13.994	24.797	1.00	0.01
ATOM	1652	N	SER	A	187	39.786	-15.119	25.538	1.00	0.01
ATOM	1654	CA	SER	A	187	39.295	-15.048	26.913	1.00	0.02
ATOM	1655	CB	SER	A	187	39.850	-16.206	27.741	1.00	0.10
ATOM	1656	OG	SER	A	187	41.267	-16.119	27.793	1.00	1.03
ATOM	1657	C	SER	A	187	39.656	-13.702	27.533	1.00	0.02
ATOM	1658	O	SER	A	187	38.778	-13.067	28.128	1.00	0.01
ATOM	1659	N	ILE	A	188	40.787	-13.144	27.130	1.00	0.02
ATOM	1661	CA	ILE	A	188	41.173	-11.823	27.627	1.00	0.02
ATOM	1662	CB	ILE	A	188	42.691	-11.705	27.593	1.00	0.16
ATOM	1663	CG2	ILE	A	188	43.138	-10.302	27.988	1.00	0.71
ATOM	1664	CG1	ILE	A	188	43.322	-12.737	28.518	1.00	0.98
ATOM	1665	CD1	ILE	A	188	44.841	-12.619	28.524	1.00	1.50
ATOM	1666	C	ILE	A	188	40.537	-10.730	26.782	1.00	0.02
ATOM	1667	O	ILE	A	188	40.068	-9.726	27.338	1.00	0.02
ATOM	1668	N	ALA	A	189	40.245	-11.065	25.536	1.00	0.02
ATOM	1670	CA	ALA	A	189	39.522	-10.135	24.668	1.00	0.02
ATOM	1671	CB	ALA	A	189	39.525	-10.700	23.255	1.00	0.02
ATOM	1672	C	ALA	A	189	38.085	-9.964	25.141	1.00	0.02
ATOM	1673	O	ALA	A	189	37.648	-8.831	25.380	1.00	0.02
ATOM	1674	N	GLN	A	190	37.508	-11.065	25.592	1.00	0.01
ATOM	1676	CA	GLN	A	190	36.132	-11.066	26.081	1.00	0.02
ATOM	1677	CB	GLN	A	190	35.692	-12.514	26.029	1.00	0.17
ATOM	1678	CG	GLN	A	190	34.203	-12.707	26.211	1.00	0.67
ATOM	1679	CD	GLN	A	190	33.898	-14.128	25.770	1.00	1.38

Table III (cont.)

ATOM	1680	OE1	GLN	A	190	32.823	-14.394	25.226	1.00	2.17
ATOM	1681	NE2	GLN	A	190	34.948	-14.929	25.720	1.00	2.05
ATOM	1684	C	GLN	A	190	36.026	-10.537	27.506	1.00	0.02
ATOM	1685	O	GLN	A	190	35.015	-9.914	27.853	1.00	0.01
ATOM	1686	N	ALA	A	191	37.130	-10.569	28.234	1.00	0.01
ATOM	1688	CA	ALA	A	191	37.151	-9.978	29.568	1.00	0.02
ATOM	1689	CB	ALA	A	191	38.387	-10.467	30.312	1.00	0.09
ATOM	1690	C	ALA	A	191	37.178	-8.460	29.464	1.00	0.02
ATOM	1691	O	ALA	A	191	36.374	-7.803	30.135	1.00	0.01
ATOM	1692	N	ARG	A	192	37.836	-7.949	28.435	1.00	0.01
ATOM	1694	CA	ARG	A	192	37.847	-6.502	28.210	1.00	0.01
ATOM	1695	CB	ARG	A	192	38.983	-6.166	27.256	1.00	0.18
ATOM	1696	CG	ARG	A	192	40.332	-6.317	27.948	1.00	0.97
ATOM	1697	CD	ARG	A	192	41.484	-6.059	26.985	1.00	1.10
ATOM	1698	NE	ARG	A	192	41.578	-7.133	25.987	1.00	1.92
ATOM	1699	CZ	ARG	A	192	42.740	-7.521	25.458	1.00	2.61
ATOM	1700	NH1	ARG	A	192	43.863	-6.868	25.763	1.00	3.27
ATOM	1701	NH2	ARG	A	192	42.773	-8.534	24.592	1.00	3.22
ATOM	1702	C	ARG	A	192	36.524	-6.006	27.636	1.00	0.02
ATOM	1703	O	ARG	A	192	36.009	-4.985	28.111	1.00	0.01
ATOM	1704	N	ILE	A	193	35.862	-6.846	26.857	1.00	0.01
ATOM	1706	CA	ILE	A	193	34.552	-6.478	26.313	1.00	0.02
ATOM	1707	CB	ILE	A	193	34.160	-7.505	25.258	1.00	0.01
ATOM	1708	CG2	ILE	A	193	32.765	-7.216	24.719	1.00	0.02
ATOM	1709	CG1	ILE	A	193	35.172	-7.510	24.121	1.00	0.02
ATOM	1710	CD1	ILE	A	193	34.843	-8.578	23.087	1.00	0.02
ATOM	1711	C	ILE	A	193	33.486	-6.430	27.406	1.00	0.00
ATOM	1712	O	ILE	A	193	32.863	-5.376	27.594	1.00	0.02
ATOM	1713	N	ASN	A	194	33.515	-7.409	28.296	1.00	0.02
ATOM	1715	CA	ASN	A	194	32.533	-7.467	29.378	1.00	0.02
ATOM	1716	CB	ASN	A	194	32.502	-8.893	29.900	1.00	0.02
ATOM	1717	CG	ASN	A	194	31.780	-9.764	28.883	1.00	0.02
ATOM	1718	OD1	ASN	A	194	30.787	-9.320	28.289	1.00	0.02
ATOM	1719	ND2	ASN	A	194	32.154	-11.028	28.844	1.00	0.02
ATOM	1722	C	ASN	A	194	32.821	-6.502	30.521	1.00	0.02
ATOM	1723	O	ASN	A	194	31.865	-6.020	31.147	1.00	0.02
ATOM	1724	N	SER	A	195	34.059	-6.057	30.644	1.00	0.02
ATOM	1726	CA	SER	A	195	34.377	-5.051	31.654	1.00	0.02
ATOM	1727	CB	SER	A	195	35.849	-5.156	32.027	1.00	0.14
ATOM	1728	OG	SER	A	195	36.057	-6.438	32.601	1.00	0.40
ATOM	1729	C	SER	A	195	34.074	-3.648	31.148	1.00	0.01
ATOM	1730	O	SER	A	195	33.677	-2.794	31.947	1.00	0.02
ATOM	1731	N	HIS	A	196	34.015	-3.488	29.836	1.00	0.02
ATOM	1733	CA	HIS	A	196	33.628	-2.201	29.258	1.00	0.02
ATOM	1734	CB	HIS	A	196	34.143	-2.145	27.826	1.00	0.17
ATOM	1735	CG	HIS	A	196	33.764	-0.873	27.099	1.00	1.00
ATOM	1736	ND1	HIS	A	196	32.882	-0.755	26.088	1.00	2.01
ATOM	1738	CE1	HIS	A	196	32.814	0.536	25.706	1.00	2.59
ATOM	1739	NE2	HIS	A	196	33.661	1.240	26.490	1.00	2.37
ATOM	1740	CD2	HIS	A	196	34.254	0.385	27.353	1.00	1.67
ATOM	1741	C	HIS	A	196	32.111	-2.043	29.265	1.00	0.03
ATOM	1742	O	HIS	A	196	31.601	-0.956	29.572	1.00	0.02

Table III (cont.)

ATOM	1743	N	VAL	A	197	31.420	-3.169	29.187	1.00	0.01
ATOM	1745	CA	VAL	A	197	29.958	-3.169	29.286	1.00	0.02
ATOM	1746	CB	VAL	A	197	29.467	-4.552	28.875	1.00	0.01
ATOM	1747	CG1	VAL	A	197	27.989	-4.721	29.171	1.00	0.01
ATOM	1748	CG2	VAL	A	197	29.752	-4.831	27.404	1.00	0.01
ATOM	1749	C	VAL	A	197	29.518	-2.860	30.716	1.00	0.01
ATOM	1750	O	VAL	A	197	28.743	-1.915	30.935	1.00	0.01
ATOM	1751	N	LYS	A	198	30.263	-3.415	31.658	1.00	0.01
ATOM	1753	CA	LYS	A	198	30.030	-3.139	33.072	1.00	0.01
ATOM	1754	CB	LYS	A	198	30.907	-4.106	33.854	1.00	0.11
ATOM	1755	CG	LYS	A	198	30.931	-3.796	35.343	1.00	0.81
ATOM	1756	CD	LYS	A	198	31.958	-4.676	36.041	1.00	0.83
ATOM	1757	CE	LYS	A	198	33.334	-4.491	35.411	1.00	1.41
ATOM	1758	NZ	LYS	A	198	34.329	-5.373	36.041	1.00	2.32
ATOM	1759	C	LYS	A	198	30.403	-1.705	33.439	1.00	0.01
ATOM	1760	O	LYS	A	198	29.614	-1.038	34.119	1.00	0.01
ATOM	1761	N	LYS	A	199	31.413	-1.162	32.779	1.00	0.01
ATOM	1763	CA	LYS	A	199	31.881	0.196	33.062	1.00	0.02
ATOM	1764	CB	LYS	A	199	33.240	0.367	32.391	1.00	0.02
ATOM	1765	CG	LYS	A	199	33.799	1.771	32.582	1.00	0.02
ATOM	1766	CD	LYS	A	199	35.105	1.951	31.818	1.00	0.01
ATOM	1767	CE	LYS	A	199	35.636	3.373	31.955	1.00	0.02
ATOM	1768	NZ	LYS	A	199	36.877	3.548	31.184	1.00	0.01
ATOM	1769	C	LYS	A	199	30.935	1.281	32.553	1.00	0.02
ATOM	1770	O	LYS	A	199	30.631	2.207	33.317	1.00	0.02
ATOM	1771	N	LYS	A	200	30.300	1.076	31.409	1.00	0.01
ATOM	1773	CA	LYS	A	200	29.396	2.122	30.913	1.00	0.00
ATOM	1774	CB	LYS	A	200	29.241	2.021	29.403	1.00	0.54
ATOM	1775	CG	LYS	A	200	30.566	2.268	28.696	1.00	0.77
ATOM	1776	CD	LYS	A	200	30.344	2.585	27.223	1.00	1.41
ATOM	1777	CE	LYS	A	200	29.590	3.900	27.054	1.00	2.57
ATOM	1778	NZ	LYS	A	200	29.363	4.207	25.632	1.00	3.36
ATOM	1779	C	LYS	A	200	28.025	2.062	31.577	1.00	0.02
ATOM	1780	O	LYS	A	200	27.350	3.091	31.696	1.00	0.01
ATOM	1781	N	THR	A	201	27.706	0.918	32.158	1.00	0.01
ATOM	1783	CA	THR	A	201	26.471	0.794	32.935	1.00	0.02
ATOM	1784	CB	THR	A	201	25.869	-0.573	32.675	1.00	0.02
ATOM	1785	OG1	THR	A	201	26.737	-1.537	33.256	1.00	0.01
ATOM	1786	CG2	THR	A	201	25.729	-0.843	31.182	1.00	0.02
ATOM	1787	C	THR	A	201	26.710	0.937	34.436	1.00	0.01
ATOM	1788	O	THR	A	201	25.821	0.578	35.217	1.00	0.02
ATOM	1789	N	GLN	A	202	27.929	1.298	34.815	1.00	0.01
ATOM	1791	CA	GLN	A	202	28.342	1.444	36.222	1.00	0.01
ATOM	1792	CB	GLN	A	202	27.749	2.737	36.767	1.00	0.01
ATOM	1793	CG	GLN	A	202	28.390	3.955	36.107	1.00	0.02
ATOM	1794	CD	GLN	A	202	29.832	4.128	36.586	1.00	0.02
ATOM	1795	OE1	GLN	A	202	30.071	4.474	37.748	1.00	0.02
ATOM	1796	NE2	GLN	A	202	30.781	3.868	35.702	1.00	0.02
ATOM	1799	C	GLN	A	202	27.944	0.258	37.096	1.00	0.02
ATOM	1800	O	GLN	A	202	27.133	0.391	38.017	1.00	0.02
ATOM	1801	N	GLY	A	203	28.388	-0.919	36.684	1.00	0.01
ATOM	1803	CA	GLY	A	203	28.146	-2.150	37.443	1.00	0.02
ATOM	1804	C	GLY	A	203	26.858	-2.892	37.073	1.00	0.01
ATOM	1805	O	GLY	A	203	26.715	-4.067	37.432	1.00	0.02
ATOM	1806	N	LYS	A	204	25.948	-2.241	36.365	1.00	0.02
ATOM	1808	CA	LYS	A	204	24.640	-2.848	36.097	1.00	0.02
ATOM	1809	CB	LYS	A	204	23.717	-1.784	35.509	1.00	0.02
ATOM	1810	CG	LYS	A	204	22.306	-2.319	35.295	1.00	0.02

Table III (cont.)

ATOM	1811	CD	LYS	A	204	21.668	-2.736	36.615	1.00	0.01
ATOM	1812	CE	LYS	A	204	20.310	-3.385	36.387	1.00	0.02
ATOM	1813	NZ	LYS	A	204	20.448	-4.592	35.555	1.00	0.01
ATOM	1814	C	LYS	A	204	24.714	-4.046	35.154	1.00	0.02
ATOM	1815	O	LYS	A	204	24.300	-5.148	35.535	1.00	0.01
ATOM	1816	N	VAL	A	205	25.316	-3.888	33.988	1.00	0.02
ATOM	1818	CA	VAL	A	205	25.328	-5.002	33.046	1.00	0.02
ATOM	1819	CB	VAL	A	205	24.963	-4.480	31.663	1.00	1.75
ATOM	1820	CG1	VAL	A	205	24.930	-5.618	30.660	1.00	2.29
ATOM	1821	CG2	VAL	A	205	23.609	-3.781	31.690	1.00	1.90
ATOM	1822	C	VAL	A	205	26.693	-5.678	33.049	1.00	0.02
ATOM	1823	O	VAL	A	205	27.606	-5.332	32.287	1.00	0.02
ATOM	1824	N	VAL	A	206	26.830	-6.623	33.959	1.00	0.02
ATOM	1826	CA	VAL	A	206	28.087	-7.359	34.091	1.00	0.02
ATOM	1827	CB	VAL	A	206	28.282	-7.714	35.564	1.00	0.02
ATOM	1828	CG1	VAL	A	206	28.669	-6.487	36.378	1.00	0.02
ATOM	1829	CG2	VAL	A	206	27.044	-8.374	36.164	1.00	0.02
ATOM	1830	C	VAL	A	206	28.135	-8.619	33.226	1.00	0.02
ATOM	1831	O	VAL	A	206	27.325	-9.541	33.380	1.00	0.02
ATOM	1832	N	ASP	A	207	29.094	-8.621	32.311	1.00	0.01
ATOM	1834	CA	ASP	A	207	29.461	-9.822	31.538	1.00	0.01
ATOM	1835	CB	ASP	A	207	29.973	-10.855	32.545	1.00	0.01
ATOM	1836	CG	ASP	A	207	30.574	-12.075	31.861	1.00	0.02
ATOM	1837	OD1	ASP	A	207	31.781	-12.066	31.656	1.00	0.02
ATOM	1838	OD2	ASP	A	207	29.828	-13.006	31.589	1.00	0.01
ATOM	1839	C	ASP	A	207	28.307	-10.405	30.715	1.00	0.02
ATOM	1840	O	ASP	A	207	27.567	-11.272	31.197	1.00	0.01
ATOM	1841	N	ILE	A	208	28.194	-9.988	29.464	1.00	0.02
ATOM	1843	CA	ILE	A	208	27.103	-10.495	28.619	1.00	0.02
ATOM	1844	CB	ILE	A	208	26.250	-9.320	28.151	1.00	2.45
ATOM	1845	CG2	ILE	A	208	25.292	-9.714	27.031	1.00	3.34
ATOM	1846	CG1	ILE	A	208	25.463	-8.770	29.330	1.00	3.29
ATOM	1847	CD1	ILE	A	208	24.554	-9.843	29.922	1.00	4.19
ATOM	1848	C	ILE	A	208	27.613	-11.320	27.438	1.00	0.01
ATOM	1849	O	ILE	A	208	26.952	-12.280	27.023	1.00	0.00
ATOM	1850	N	ILE	A	209	28.838	-11.054	27.020	1.00	0.02
ATOM	1852	CA	ILE	A	209	29.452	-11.827	25.933	1.00	0.02
ATOM	1853	CB	ILE	A	209	30.602	-10.999	25.362	1.00	1.56
ATOM	1854	CG2	ILE	A	209	31.305	-11.731	24.229	1.00	2.38
ATOM	1855	CG1	ILE	A	209	30.097	-9.651	24.861	1.00	2.02
ATOM	1856	CD1	ILE	A	209	29.197	-9.802	23.639	1.00	2.14
ATOM	1857	C	ILE	A	209	29.949	-13.157	26.494	1.00	0.02
ATOM	1858	O	ILE	A	209	30.876	-13.182	27.314	1.00	0.02

Table III (cont.)

ATOM	1859	N	GLN	A	210	29.245	-14.223	26.140	1.00	0.02
ATOM	1861	CA	GLN	A	210	29.515	-15.557	26.698	1.00	0.01
ATOM	1862	CB	GLN	A	210	28.181	-16.245	26.979	1.00	1.43
ATOM	1863	CG	GLN	A	210	27.267	-15.429	27.887	1.00	2.09
ATOM	1864	CD	GLN	A	210	27.915	-15.196	29.247	1.00	2.72
ATOM	1865	OE1	GLN	A	210	28.581	-16.080	29.799	1.00	2.94
ATOM	1866	NE2	GLN	A	210	27.649	-14.026	29.797	1.00	3.33
ATOM	1869	C	GLN	A	210	30.311	-16.465	25.763	1.00	0.02
ATOM	1870	O	GLN	A	210	30.722	-17.560	26.167	1.00	0.02
ATOM	1871	N	GLY	A	211	30.544	-16.021	24.542	1.00	0.01
ATOM	1873	CA	GLY	A	211	31.234	-16.887	23.587	1.00	0.02
ATOM	1874	C	GLY	A	211	31.664	-16.167	22.315	1.00	0.01
ATOM	1875	O	GLY	A	211	30.924	-16.144	21.323	1.00	0.01
ATOM	1876	N	LEU	A	212	32.829	-15.544	22.365	1.00	0.02
ATOM	1878	CA	LEU	A	212	33.429	-15.021	21.131	1.00	0.02
ATOM	1879	CB	LEU	A	212	34.730	-14.291	21.442	1.00	0.02
ATOM	1880	CG	LEU	A	212	34.509	-12.973	22.166	1.00	0.03
ATOM	1881	CD1	LEU	A	212	35.848	-12.284	22.399	1.00	0.02
ATOM	1882	CD2	LEU	A	212	33.589	-12.070	21.357	1.00	0.02
ATOM	1883	C	LEU	A	212	33.764	-16.166	20.184	1.00	0.02
ATOM	1884	O	LEU	A	212	34.391	-17.152	20.586	1.00	0.02
ATOM	1885	N	ASP	A	213	33.348	-16.028	18.937	1.00	0.02
ATOM	1887	CA	ASP	A	213	33.725	-17.009	17.915	1.00	0.02
ATOM	1888	CB	ASP	A	213	33.025	-16.663	16.602	1.00	0.02
ATOM	1889	CG	ASP	A	213	31.513	-16.871	16.720	1.00	0.02
ATOM	1890	OD1	ASP	A	213	31.146	-17.786	17.446	1.00	0.02
ATOM	1891	OD2	ASP	A	213	30.814	-16.339	15.873	1.00	0.01
ATOM	1892	C	ASP	A	213	35.243	-17.007	17.735	1.00	0.01
ATOM	1893	O	ASP	A	213	35.895	-15.971	17.900	1.00	0.02
ATOM	1894	N	LEU	A	214	35.801	-	17.333	1.00	0.02

Table III (cont.)

							18.139			
ATOM	1896	CA	LEU	A	214	37.269	-18.245	17.212	1.00	0.02
ATOM	1897	CB	LEU	A	214	37.656	-19.719	17.218	1.00	0.71
ATOM	1898	CG	LEU	A	214	37.303	-20.384	18.545	1.00	1.18
ATOM	1899	CD1	LEU	A	214	37.561	-21.886	18.490	1.00	2.00
ATOM	1900	CD2	LEU	A	214	38.070	-19.749	19.702	1.00	0.70
ATOM	1901	C	LEU	A	214	37.834	-17.570	15.958	1.00	0.02
ATOM	1902	O	LEU	A	214	39.046	-17.360	15.853	1.00	0.01
ATOM	1903	N	LEU	A	215	36.952	-17.175	15.054	1.00	0.02
ATOM	1905	CA	LEU	A	215	37.337	-16.379	13.885	1.00	0.01
ATOM	1906	CB	LEU	A	215	36.730	-17.010	12.636	1.00	0.36
ATOM	1907	CG	LEU	A	215	37.280	-18.410	12.386	1.00	0.58
ATOM	1908	CD1	LEU	A	215	36.543	-19.089	11.238	1.00	0.90
ATOM	1909	CD2	LEU	A	215	38.782	-18.375	12.118	1.00	0.75
ATOM	1910	C	LEU	A	215	36.851	-14.934	14.019	1.00	0.02
ATOM	1911	O	LEU	A	215	36.600	-14.274	13.002	1.00	0.02
ATOM	1912	N	THR	A	216	36.624	-14.491	15.248	1.00	0.02
ATOM	1914	CA	THR	A	216	36.066	-13.154	15.478	1.00	0.01
ATOM	1915	CB	THR	A	216	35.668	-13.016	16.948	1.00	0.02
ATOM	1916	OG1	THR	A	216	34.418	-13.675	17.093	1.00	0.02
ATOM	1917	CG2	THR	A	216	35.435	-11.568	17.361	1.00	0.02
ATOM	1918	C	THR	A	216	36.995	-12.024	15.054	1.00	0.01
ATOM	1919	O	THR	A	216	38.106	-11.858	15.566	1.00	0.02
ATOM	1920	N	ALA	A	217	36.546	-11.310	14.035	1.00	0.02
ATOM	1922	CA	ALA	A	217	37.233	-10.105	13.595	1.00	0.01
ATOM	1923	CB	ALA	A	217	37.410	-10.187	12.085	1.00	0.41
ATOM	1924	C	ALA	A	217	36.467	-8.837	13.977	1.00	0.02
ATOM	1925	O	ALA	A	217	37.029	-7.735	13.887	1.00	0.02
ATOM	1926	N	MET	A	218	35.230	-8.988	14.433	1.00	0.02
ATOM	1928	CA	MET	A	218	34.427	-7.813	14.799	1.00	0.02
ATOM	1929	CB	MET	A	218	33.769	-7.272	13.532	1.00	0.89
ATOM	1930	CG	MET	A	218	32.877	-6.070	13.823	1.00	1.03
ATOM	1931	SD	MET	A	218	33.726	-4.594	14.425	1.00	1.41
ATOM	1932	CE	MET	A	218	34.664	-4.210	12.930	1.00	1.60

Table III (cont.)

ATOM	1933	C	MET	A	218	33.340	-8.122	15.832	1.00	0.01
ATOM	1934	O	MET	A	218	32.415	-8.910	15.578	1.00	0.01
ATOM	1935	N	VAL	A	219	33.482	-7.517	16.999	1.00	0.02
ATOM	1937	CA	VAL	A	219	32.422	-7.542	18.017	1.00	0.02
ATOM	1938	CB	VAL	A	219	33.068	-7.764	19.381	1.00	0.06
ATOM	1939	CG1	VAL	A	219	32.055	-7.782	20.521	1.00	0.12
ATOM	1940	CG2	VAL	A	219	33.866	-9.056	19.379	1.00	0.07
ATOM	1941	C	VAL	A	219	31.650	-6.220	17.995	1.00	0.01
ATOM	1942	O	VAL	A	219	32.250	-5.139	17.968	1.00	0.02
ATOM	1943	N	LEU	A	220	30.333	-6.315	18.009	1.00	0.01
ATOM	1945	CA	LEU	A	220	29.482	-5.123	17.957	1.00	0.01
ATOM	1946	CB	LEU	A	220	28.642	-5.205	16.680	1.00	0.01
ATOM	1947	CG	LEU	A	220	28.089	-3.862	16.191	1.00	0.01
ATOM	1948	CD1	LEU	A	220	27.668	-3.953	14.729	1.00	0.01
ATOM	1949	CD2	LEU	A	220	26.946	-3.313	17.041	1.00	0.01
ATOM	1950	C	LEU	A	220	28.594	-5.077	19.200	1.00	0.01
ATOM	1951	O	LEU	A	220	27.497	-5.650	19.218	1.00	0.01
ATOM	1952	N	VAL	A	221	29.073	-4.388	20.221	1.00	0.01
ATOM	1954	CA	VAL	A	221	28.305	-4.223	21.462	1.00	0.01
ATOM	1955	CB	VAL	A	221	29.305	-4.000	22.595	1.00	0.02
ATOM	1956	CG1	VAL	A	221	28.634	-3.684	23.928	1.00	0.01
ATOM	1957	CG2	VAL	A	221	30.216	-5.211	22.736	1.00	0.02
ATOM	1958	C	VAL	A	221	27.345	-3.041	21.336	1.00	0.01
ATOM	1959	O	VAL	A	221	27.729	-1.976	20.839	1.00	0.02
ATOM	1960	N	ASN	A	222	26.090	-3.262	21.689	1.00	0.01
ATOM	1962	CA	ASN	A	222	25.084	-2.195	21.631	1.00	0.01
ATOM	1963	CB	ASN	A	222	24.364	-2.314	20.295	1.00	0.01
ATOM	1964	CG	ASN	A	222	23.343	-1.197	20.131	1.00	0.01
ATOM	1965	OD1	ASN	A	222	22.132	-1.435	20.262	1.00	0.01
ATOM	1966	ND2	ASN	A	222	23.834	0.015	19.928	1.00	0.01
ATOM	1969	C	ASN	A	222	24.095	-2.302	22.795	1.00	0.01
ATOM	1970	O	ASN	A	222	22.975	-2.808	22.661	1.00	0.02
ATOM	1971	N	HIS	A	223	24.526	-1.833	23.950	1.00	0.01
ATOM	1973	CA	HIS	A	223	23.697	-1.944	25.158	1.00	0.02
ATOM	1974	CB	HIS	A	223	24.551	-2.496	26.298	1.00	0.87
ATOM	1975	CG	HIS	A	223	24.966	-3.960	26.176	1.00	1.28
ATOM	1976	ND1	HIS	A	223	25.150	-4.803	27.206	1.00	1.65
ATOM	1978	CE1	HIS	A	223	25.513	-6.015	26.741	1.00	2.67
ATOM	1979	NE2	HIS	A	223	25.558	-5.941	25.393	1.00	3.07
ATOM	1980	CD2	HIS	A	223	25.223	-4.684	25.032	1.00	2.44
ATOM	1981	C	HIS	A	223	23.079	-0.594	25.527	1.00	0.01
ATOM	1982	O	HIS	A	223	23.507	0.440	24.998	1.00	0.01
ATOM	1983	N	ILE	A	224	22.034	-0.619	26.344	1.00	0.01
ATOM	1985	CA	ILE	A	224	21.324	0.625	26.704	1.00	0.02
ATOM	1986	CB	ILE	A	224	20.522	1.038	25.466	1.00	0.01
ATOM	1987	CG2	ILE	A	224	19.655	-0.104	24.944	1.00	0.01
ATOM	1988	CG1	ILE	A	224	19.686	2.287	25.693	1.00	0.01
ATOM	1989	CD1	ILE	A	224	18.973	2.688	24.405	1.00	0.00
ATOM	1990	C	ILE	A	224	20.434	0.501	27.963	1.00	0.01
ATOM	1991	O	ILE	A	224	19.450	-0.251	27.990	1.00	0.02
ATOM	1992	N	PHE	A	225	20.793	1.254	28.996	1.00	0.02
ATOM	1994	CA	PHE	A	225	20.052	1.255	30.279	1.00	0.01
ATOM	1995	CB	PHE	A	225	21.077	1.048	31.398	1.00	0.01
ATOM	1996	CG	PHE	A	225	20.524	1.137	32.821	1.00	0.02
ATOM	1997	CD1	PHE	A	225	19.720	0.121	33.320	1.00	0.00
ATOM	1998	CE1	PHE	A	225	19.207	0.206	34.608	1.00	0.01
ATOM	1999	CZ	PHE	A	225	19.500	1.309	35.400	1.00	0.01
ATOM	2000	CE2	PHE	A	225	20.306	2.324	34.903	1.00	0.02

Table III (cont.)

ATOM	2001	CD2	PHE	A	225	20.817	2.238	33.615	1.00	0.01
ATOM	2002	C	PHE	A	225	19.257	2.550	30.534	1.00	0.02
ATOM	2003	O	PHE	A	225	19.752	3.660	30.299	1.00	0.02
ATOM	2004	N	PHE	A	226	18.034	2.401	31.023	1.00	0.01
ATOM	2006	CA	PHE	A	226	17.212	3.560	31.412	1.00	0.01
ATOM	2007	CB	PHE	A	226	16.186	3.802	30.308	1.00	0.01
ATOM	2008	CG	PHE	A	226	15.325	5.054	30.479	1.00	0.01
ATOM	2009	CD1	PHE	A	226	15.909	6.259	30.851	1.00	0.01
ATOM	2010	CE1	PHE	A	226	15.124	7.394	31.007	1.00	0.01
ATOM	2011	CZ	PHE	A	226	13.756	7.327	30.783	1.00	0.01
ATOM	2012	CE2	PHE	A	226	13.174	6.126	30.399	1.00	0.01
ATOM	2013	CD2	PHE	A	226	13.959	4.992	30.243	1.00	0.01
ATOM	2014	C	PHE	A	226	16.482	3.348	32.748	1.00	0.02
ATOM	2015	O	PHE	A	226	15.952	2.263	33.022	1.00	0.02
ATOM	2016	N	LYS	A	227	16.510	4.367	33.594	1.00	0.01
ATOM	2018	CA	LYS	A	227	15.692	4.371	34.819	1.00	0.01
ATOM	2019	CB	LYS	A	227	16.587	4.677	36.016	1.00	0.01
ATOM	2020	CG	LYS	A	227	15.844	4.470	37.332	1.00	0.02
ATOM	2021	CD	LYS	A	227	16.766	4.616	38.535	1.00	0.00
ATOM	2022	CE	LYS	A	227	16.032	4.290	39.831	1.00	0.02
ATOM	2023	NZ	LYS	A	227	16.933	4.396	40.990	1.00	0.01
ATOM	2024	C	LYS	A	227	14.570	5.412	34.690	1.00	0.01
ATOM	2025	O	LYS	A	227	14.826	6.574	34.352	1.00	0.00
ATOM	2026	N	ALA	A	228	13.343	4.984	34.942	1.00	0.02
ATOM	2028	CA	ALA	A	228	12.164	5.833	34.703	1.00	0.00
ATOM	2029	CB	ALA	A	228	10.949	4.915	34.631	1.00	2.74
ATOM	2030	C	ALA	A	228	11.903	6.930	35.745	1.00	0.02
ATOM	2031	O	ALA	A	228	11.520	6.656	36.890	1.00	0.01
ATOM	2032	N	LYS	A	229	12.091	8.173	35.323	1.00	0.02
ATOM	2034	CA	LYS	A	229	11.680	9.329	36.140	1.00	0.01
ATOM	2035	CB	LYS	A	229	12.712	10.446	36.047	1.00	0.01
ATOM	2036	CG	LYS	A	229	14.112	10.023	36.464	1.00	0.02
ATOM	2037	CD	LYS	A	229	15.020	11.247	36.501	1.00	0.01
ATOM	2038	CE	LYS	A	229	14.956	12.014	35.184	1.00	0.02
ATOM	2039	NZ	LYS	A	229	15.754	13.250	35.241	1.00	0.02
ATOM	2040	C	LYS	A	229	10.359	9.894	35.625	1.00	0.02
ATOM	2041	O	LYS	A	229	10.340	10.602	34.614	1.00	0.01
ATOM	2042	N	TRP	A	230	9.288	9.641	36.355	1.00	0.01
ATOM	2044	CA	TRP	A	230	7.947	10.079	35.942	1.00	0.00
ATOM	2045	CB	TRP	A	230	6.928	9.244	36.711	1.00	0.01
ATOM	2046	CG	TRP	A	230	7.132	7.747	36.623	1.00	0.02
ATOM	2047	CD1	TRP	A	230	7.766	6.944	37.544	1.00	0.02
ATOM	2048	NE1	TRP	A	230	7.738	5.666	37.093	1.00	0.02
ATOM	2050	CE2	TRP	A	230	7.105	5.583	35.910	1.00	0.02
ATOM	2051	CZ2	TRP	A	230	6.833	4.520	35.061	1.00	0.02
ATOM	2052	CH2	TRP	A	230	6.138	4.745	33.880	1.00	0.02
ATOM	2053	CZ3	TRP	A	230	5.714	6.027	33.543	1.00	0.02
ATOM	2054	CE3	TRP	A	230	5.985	7.098	34.386	1.00	0.01
ATOM	2055	CD2	TRP	A	230	6.681	6.878	35.563	1.00	0.01
ATOM	2056	C	TRP	A	230	7.682	11.542	36.280	1.00	0.01
ATOM	2057	O	TRP	A	230	8.238	12.071	37.246	1.00	0.02
ATOM	2058	N	GLU	A	231	6.838	12.187	35.486	1.00	0.00
ATOM	2060	CA	GLU	A	231	6.317	13.505	35.880	1.00	0.02
ATOM	2061	CB	GLU	A	231	5.940	14.317	34.648	1.00	0.01
ATOM	2062	CG	GLU	A	231	7.167	14.820	33.909	1.00	0.02
ATOM	2063	CD	GLU	A	231	6.748	15.520	32.625	1.00	0.01
ATOM	2064	OE1	GLU	A	231	5.717	15.135	32.085	1.00	0.02
ATOM	2065	OE2	GLU	A	231	7.483	16.398	32.189	1.00	0.01

Table III (cont.)

ATOM	2066	C	GLU	A	231	5.075	13.325	36.743	1.00	0.01
ATOM	2067	O	GLU	A	231	4.708	14.204	37.531	1.00	0.02
ATOM	2068	N	LYS	A	232	4.469	12.157	36.611	1.00	0.01
ATOM	2070	CA	LYS	A	232	3.346	11.766	37.468	1.00	0.00
ATOM	2071	CB	LYS	A	232	2.213	11.333	36.545	1.00	0.65
ATOM	2072	CG	LYS	A	232	1.961	12.369	35.451	1.00	1.25
ATOM	2073	CD	LYS	A	232	0.943	11.872	34.432	1.00	1.89
ATOM	2074	CE	LYS	A	232	0.755	12.859	33.286	1.00	2.53
ATOM	2075	NZ	LYS	A	232	-0.202	12.335	32.300	1.00	3.06
ATOM	2076	C	LYS	A	232	3.774	10.593	38.356	1.00	0.02
ATOM	2077	O	LYS	A	232	3.609	9.431	37.968	1.00	0.02
ATOM	2078	N	PRO	A	233	4.328	10.898	39.522	1.00	0.01
ATOM	2079	CA	PRO	A	233	5.023	9.884	40.325	1.00	0.02
ATOM	2080	CB	PRO	A	233	5.778	10.650	41.368	1.00	0.02
ATOM	2081	CG	PRO	A	233	5.390	12.117	41.289	1.00	0.02
ATOM	2082	CD	PRO	A	233	4.451	12.240	40.101	1.00	0.01
ATOM	2083	C	PRO	A	233	4.059	8.901	40.978	1.00	0.02
ATOM	2084	O	PRO	A	233	2.893	9.225	41.240	1.00	0.02
ATOM	2085	N	PHE	A	234	4.542	7.694	41.205	1.00	0.01
ATOM	2087	CA	PHE	A	234	3.728	6.687	41.895	1.00	0.02
ATOM	2088	CB	PHE	A	234	3.968	5.325	41.258	1.00	0.02
ATOM	2089	CG	PHE	A	234	3.429	5.190	39.837	1.00	0.00
ATOM	2090	CD1	PHE	A	234	2.096	4.850	39.647	1.00	0.01
ATOM	2091	CE1	PHE	A	234	1.587	4.724	38.363	1.00	0.00
ATOM	2092	CZ	PHE	A	234	2.411	4.934	37.266	1.00	0.01
ATOM	2093	CE2	PHE	A	234	3.746	5.268	37.454	1.00	0.01
ATOM	2094	CD2	PHE	A	234	4.256	5.393	38.739	1.00	0.02
ATOM	2095	C	PHE	A	234	4.066	6.647	43.381	1.00	0.00
ATOM	2096	O	PHE	A	234	5.224	6.848	43.770	1.00	0.01
ATOM	2097	N	HIS	A	235	3.063	6.405	44.207	1.00	0.02
ATOM	2099	CA	HIS	A	235	3.314	6.361	45.648	1.00	0.02
ATOM	2100	CB	HIS	A	235	2.013	6.519	46.415	1.00	1.04
ATOM	2101	CG	HIS	A	235	1.497	7.939	46.502	1.00	1.51
ATOM	2102	ND1	HIS	A	235	1.991	8.923	47.275	1.00	1.88
ATOM	2104	CE1	HIS	A	235	1.267	10.045	47.085	1.00	2.58
ATOM	2105	NE2	HIS	A	235	0.298	9.759	46.186	1.00	2.75
ATOM	2106	CD2	HIS	A	235	0.426	8.463	45.820	1.00	2.28
ATOM	2107	C	HIS	A	235	3.982	5.068	46.083	1.00	0.00
ATOM	2108	O	HIS	A	235	3.392	3.983	46.015	1.00	0.02
ATOM	2109	N	LEU	A	236	5.091	5.250	46.781	1.00	0.02
ATOM	2111	CA	LEU	A	236	5.863	4.124	47.320	1.00	0.02
ATOM	2112	CB	LEU	A	236	7.182	4.676	47.855	1.00	0.19
ATOM	2113	CG	LEU	A	236	8.000	3.629	48.609	1.00	1.21
ATOM	2114	CD1	LEU	A	236	8.409	2.469	47.707	1.00	1.76
ATOM	2115	CD2	LEU	A	236	9.232	4.263	49.244	1.00	2.24
ATOM	2116	C	LEU	A	236	5.112	3.425	48.449	1.00	0.03
ATOM	2117	O	LEU	A	236	4.952	2.202	48.397	1.00	0.00
ATOM	2118	N	GLU	A	237	4.351	4.205	49.203	1.00	0.02
ATOM	2120	CA	GLU	A	237	3.569	3.650	50.314	1.00	0.02
ATOM	2121	CB	GLU	A	237	3.304	4.726	51.378	1.00	0.45
ATOM	2122	CG	GLU	A	237	2.108	5.650	51.104	1.00	1.07
ATOM	2123	CD	GLU	A	237	2.452	6.916	50.324	1.00	1.99
ATOM	2124	OE1	GLU	A	237	3.332	6.858	49.468	1.00	2.71
ATOM	2125	OE2	GLU	A	237	1.787	7.917	50.546	1.00	2.42
ATOM	2126	C	GLU	A	237	2.244	3.028	49.856	1.00	0.02
ATOM	2127	O	GLU	A	237	1.503	2.497	50.688	1.00	0.02
ATOM	2128	N	TYR	A	238	1.938	3.109	48.569	1.00	0.00
ATOM	2130	CA	TYR	A	238	0.737	2.466	48.039	1.00	0.02

Table III (cont.)

ATOM	2131	CB	TYR	A	238	-0.174	3.500	47.384	1.00	0.46
ATOM	2132	CG	TYR	A	238	-0.787	4.495	48.369	1.00	0.77
ATOM	2133	CD1	TYR	A	238	-0.917	5.831	48.014	1.00	1.12
ATOM	2134	CE1	TYR	A	238	-1.456	6.742	48.912	1.00	1.60
ATOM	2135	CZ	TYR	A	238	-1.873	6.310	50.164	1.00	1.80
ATOM	2136	OH	TYR	A	238	-2.344	7.224	51.080	1.00	2.33
ATOM	2137	CE2	TYR	A	238	-1.765	4.971	50.517	1.00	1.57
ATOM	2138	CD2	TYR	A	238	-1.225	4.062	49.616	1.00	1.05
ATOM	2139	C	TYR	A	238	1.119	1.366	47.054	1.00	0.00
ATOM	2140	O	TYR	A	238	0.241	0.775	46.413	1.00	0.02
ATOM	2141	N	THR	A	239	2.411	1.101	46.939	1.00	0.02
ATOM	2143	CA	THR	A	239	2.892	0.016	46.077	1.00	0.00
ATOM	2144	CB	THR	A	239	4.306	0.340	45.605	1.00	0.02
ATOM	2145	OG1	THR	A	239	4.256	1.575	44.907	1.00	0.02
ATOM	2146	CG2	THR	A	239	4.853	-0.712	44.644	1.00	0.02
ATOM	2147	C	THR	A	239	2.869	-1.310	46.835	1.00	0.02
ATOM	2148	O	THR	A	239	3.879	-1.773	47.378	1.00	0.02
ATOM	2149	N	ARG	A	240	1.701	-1.926	46.830	1.00	0.02
ATOM	2151	CA	ARG	A	240	1.484	-3.175	47.567	1.00	0.00
ATOM	2152	CB	ARG	A	240	0.013	-3.242	47.963	1.00	0.53
ATOM	2153	CG	ARG	A	240	-0.451	-1.955	48.637	1.00	0.68
ATOM	2154	CD	ARG	A	240	0.259	-1.704	49.964	1.00	1.22
ATOM	2155	NE	ARG	A	240	-0.136	-0.396	50.506	1.00	1.14
ATOM	2156	CZ	ARG	A	240	-0.871	-0.252	51.611	1.00	1.24
ATOM	2157	NH1	ARG	A	240	-1.252	-1.327	52.305	1.00	1.79
ATOM	2158	NH2	ARG	A	240	-1.204	0.969	52.035	1.00	1.15
ATOM	2159	C	ARG	A	240	1.806	-4.367	46.681	1.00	0.00
ATOM	2160	O	ARG	A	240	2.199	-4.194	45.524	1.00	0.00
ATOM	2161	N	LYS	A	241	1.732	-5.561	47.238	1.00	0.02
ATOM	2163	CA	LYS	A	241	1.793	-6.760	46.396	1.00	0.02
ATOM	2164	CB	LYS	A	241	2.509	-7.886	47.126	1.00	0.27
ATOM	2165	CG	LYS	A	241	3.960	-7.513	47.403	1.00	0.53
ATOM	2166	CD	LYS	A	241	4.703	-8.662	48.071	1.00	0.54
ATOM	2167	CE	LYS	A	241	4.032	-9.067	49.378	1.00	1.44
ATOM	2168	NZ	LYS	A	241	4.749	-10.187	50.010	1.00	1.70
ATOM	2169	C	LYS	A	241	0.367	-7.161	46.039	1.00	0.02
ATOM	2170	O	LYS	A	241	-0.196	-8.108	46.602	1.00	0.02
ATOM	2171	N	ASN	A	242	-0.136	-6.506	45.008	1.00	0.02
ATOM	2173	CA	ASN	A	242	-1.561	-6.535	44.658	1.00	0.02
ATOM	2174	CB	ASN	A	242	-1.762	-5.487	43.562	1.00	1.70
ATOM	2175	CG	ASN	A	242	-3.225	-5.103	43.344	1.00	2.00
ATOM	2176	OD1	ASN	A	242	-3.967	-4.883	44.308	1.00	2.32
ATOM	2177	ND2	ASN	A	242	-3.654	-5.174	42.095	1.00	2.72
ATOM	2180	C	ASN	A	242	-2.005	-7.912	44.173	1.00	0.01
ATOM	2181	O	ASN	A	242	-1.179	-8.820	43.981	1.00	0.01
ATOM	2182	N	PHE	A	243	-3.317	-8.093	44.170	1.00	1.09
ATOM	2184	CA	PHE	A	243	-3.948	-9.270	43.575	1.00	1.45
ATOM	2185	CB	PHE	A	243	-5.448	-9.023	43.445	1.00	1.44
ATOM	2186	CG	PHE	A	243	-6.191	-9.068	44.777	1.00	2.03
ATOM	2187	CD1	PHE	A	243	-6.608	-7.895	45.395	1.00	2.31
ATOM	2188	CE1	PHE	A	243	-7.282	-7.952	46.608	1.00	3.15
ATOM	2189	CZ	PHE	A	243	-7.543	-9.181	47.201	1.00	3.65
ATOM	2190	CE2	PHE	A	243	-7.132	-10.353	46.581	1.00	3.50
ATOM	2191	CD2	PHE	A	243	-6.457	-10.296	45.368	1.00	2.79
ATOM	2192	C	PHE	A	243	-3.329	-9.557	42.216	1.00	0.50

Table III (cont.)

ATOM	2193	O	PHE	A	243	-3.162	-8.676	41.360	1.00	1.04
ATOM	2194	N	PRO	A	244	-2.972	-10.818	42.071	1.00	0.02
ATOM	2195	CA	PRO	A	244	-1.824	-11.208	41.251	1.00	0.02
ATOM	2196	CB	PRO	A	244	-1.664	-12.670	41.499	1.00	2.44
ATOM	2197	CG	PRO	A	244	-2.608	-13.120	42.597	1.00	2.19
ATOM	2198	CD	PRO	A	244	-3.365	-11.877	43.005	1.00	1.42
ATOM	2199	C	PRO	A	244	-1.952	-10.906	39.761	1.00	0.02
ATOM	2200	O	PRO	A	244	-3.037	-10.632	39.229	1.00	0.02
ATOM	2201	N	PHE	A	245	-0.795	-10.898	39.123	1.00	0.02
ATOM	2203	CA	PHE	A	245	-0.678	-10.695	37.682	1.00	0.02
ATOM	2204	CB	PHE	A	245	0.806	-10.487	37.372	1.00	0.02
ATOM	2205	CG	PHE	A	245	1.133	-9.809	36.043	1.00	0.01
ATOM	2206	CD1	PHE	A	245	1.229	-10.552	34.874	1.00	0.02
ATOM	2207	CE1	PHE	A	245	1.524	-9.922	33.672	1.00	0.01
ATOM	2208	CZ	PHE	A	245	1.728	-8.549	33.638	1.00	0.02
ATOM	2209	CE2	PHE	A	245	1.637	-7.806	34.807	1.00	0.01
ATOM	2210	CD2	PHE	A	245	1.342	-8.436	36.009	1.00	0.01
ATOM	2211	C	PHE	A	245	-1.194	-11.935	36.960	1.00	0.02
ATOM	2212	O	PHE	A	245	-0.890	-13.073	37.344	1.00	0.00
ATOM	2213	N	LEU	A	246	-1.993	-11.701	35.938	1.00	0.01
ATOM	2215	CA	LEU	A	246	-2.559	-12.782	35.137	1.00	0.02
ATOM	2216	CB	LEU	A	246	-3.901	-12.339	34.565	1.00	0.69
ATOM	2217	CG	LEU	A	246	-4.970	-12.241	35.646	1.00	1.13
ATOM	2218	CD1	LEU	A	246	-6.254	-11.634	35.093	1.00	1.59
ATOM	2219	CD2	LEU	A	246	-5.247	-13.611	36.252	1.00	1.37
ATOM	2220	C	LEU	A	246	-1.623	-13.147	33.996	1.00	0.02
ATOM	2221	O	LEU	A	246	-1.581	-12.479	32.953	1.00	0.01
ATOM	2222	N	VAL	A	247	-0.891	-14.228	34.206	1.00	0.01
ATOM	2224	CA	VAL	A	247	-0.023	-14.756	33.151	1.00	0.02
ATOM	2225	CB	VAL	A	247	1.315	-15.191	33.749	1.00	0.02
ATOM	2226	CG1	VAL	A	247	1.981	-14.005	34.430	1.00	0.01
ATOM	2227	CG2	VAL	A	247	1.180	-16.337	34.742	1.00	0.01
ATOM	2228	C	VAL	A	247	-0.762	-	32.457	1.00	0.01

Table III (cont.)

							15.897			
ATOM	2229	O	VAL	A	247	-0.391	-16.365	31.374	1.00	0.00
ATOM	2230	N	GLY	A	248	-1.841	-16.299	33.106	1.00	0.01
ATOM	2232	CA	GLY	A	248	-2.850	-17.181	32.524	1.00	0.02
ATOM	2233	C	GLY	A	248	-4.164	-16.776	33.173	1.00	0.01
ATOM	2234	O	GLY	A	248	-4.136	-16.141	34.233	1.00	0.02
ATOM	2235	N	GLU	A	249	-5.279	-17.290	32.682	1.00	0.02
ATOM	2237	CA	GLU	A	249	-6.581	-16.870	33.231	1.00	0.02
ATOM	2238	CB	GLU	A	249	-7.684	-17.300	32.272	1.00	0.71
ATOM	2239	CG	GLU	A	249	-7.580	-16.561	30.942	1.00	1.41
ATOM	2240	CD	GLU	A	249	-8.624	-17.099	29.972	1.00	1.73
ATOM	2241	OE1	GLU	A	249	-9.040	-16.345	29.104	1.00	2.08
ATOM	2242	OE2	GLU	A	249	-8.886	-18.292	30.041	1.00	2.14
ATOM	2243	C	GLU	A	249	-6.854	-17.455	34.619	1.00	0.02
ATOM	2244	O	GLU	A	249	-7.601	-16.869	35.408	1.00	0.02
ATOM	2245	N	GLN	A	250	-6.197	-18.560	34.932	1.00	0.01
ATOM	2247	CA	GLN	A	250	-6.243	-19.117	36.285	1.00	0.02
ATOM	2248	CB	GLN	A	250	-6.843	-20.516	36.228	1.00	0.06
ATOM	2249	CG	GLN	A	250	-8.295	-20.469	35.763	1.00	0.43
ATOM	2250	CD	GLN	A	250	-8.850	-21.881	35.628	1.00	0.27
ATOM	2251	OE1	GLN	A	250	-10.050	-22.080	35.409	1.00	0.98
ATOM	2252	NE2	GLN	A	250	-7.959	-22.849	35.739	1.00	1.30
ATOM	2255	C	GLN	A	250	-4.843	-19.169	36.893	1.00	0.01
ATOM	2256	O	GLN	A	250	-4.630	-19.809	37.928	1.00	0.01
ATOM	2257	N	VAL	A	251	-3.893	-18.537	36.222	1.00	0.01
ATOM	2259	CA	VAL	A	251	-2.492	-18.612	36.650	1.00	0.00
ATOM	2260	CB	VAL	A	251	-1.642	-19.165	35.509	1.00	0.50
ATOM	2261	CG1	VAL	A	251	-0.215	-19.426	35.978	1.00	0.57
ATOM	2262	CG2	VAL	A	251	-2.244	-20.448	34.946	1.00	0.85
ATOM	2263	C	VAL	A	251	-2.006	-17.224	37.055	1.00	0.01

Table III (cont.)

ATOM	2264	O	VAL	A	251	-1.695	-16.371	36.209	1.00	0.01
ATOM	2265	N	THR	A	252	-1.927	-17.035	38.360	1.00	0.02
ATOM	2267	CA	THR	A	252	-1.641	-15.716	38.930	1.00	0.01
ATOM	2268	CB	THR	A	252	-2.806	-15.364	39.849	1.00	0.02
ATOM	2269	OG1	THR	A	252	-2.848	-16.297	40.921	1.00	0.01
ATOM	2270	CG2	THR	A	252	-4.150	-15.403	39.133	1.00	0.01
ATOM	2271	C	THR	A	252	-0.323	-15.655	39.714	1.00	0.02
ATOM	2272	O	THR	A	252	-0.042	-16.495	40.577	1.00	0.01
ATOM	2273	N	VAL	A	253	0.467	-14.638	39.408	1.00	0.02
ATOM	2275	CA	VAL	A	253	1.739	-14.387	40.116	1.00	0.00
ATOM	2276	CB	VAL	A	253	2.866	-14.411	39.084	1.00	0.01
ATOM	2277	CG1	VAL	A	253	4.217	-14.060	39.701	1.00	0.03
ATOM	2278	CG2	VAL	A	253	2.941	-15.761	38.378	1.00	0.02
ATOM	2279	C	VAL	A	253	1.714	-13.024	40.816	1.00	0.01
ATOM	2280	O	VAL	A	253	1.586	-11.997	40.144	1.00	0.02
ATOM	2281	N	GLN	A	254	1.809	-12.998	42.138	1.00	0.03
ATOM	2283	CA	GLN	A	254	1.732	-11.706	42.847	1.00	0.02
ATOM	2284	CB	GLN	A	254	1.677	-11.901	44.354	1.00	0.41
ATOM	2285	CG	GLN	A	254	0.309	-12.401	44.789	1.00	0.84
ATOM	2286	CD	GLN	A	254	0.199	-12.319	46.305	1.00	0.68
ATOM	2287	OE1	GLN	A	254	0.343	-13.328	47.005	1.00	0.68
ATOM	2288	NE2	GLN	A	254	-0.051	-11.115	46.791	1.00	1.21
ATOM	2291	C	GLN	A	254	2.892	-10.780	42.504	1.00	0.02
ATOM	2292	O	GLN	A	254	4.053	-11.191	42.424	1.00	0.03
ATOM	2293	N	VAL	A	255	2.537	-9.531	42.253	1.00	0.02
ATOM	2295	CA	VAL	A	255	3.523	-8.525	41.852	1.00	0.02
ATOM	2296	CB	VAL	A	255	3.330	-8.225	40.364	1.00	0.02
ATOM	2297	CG1	VAL	A	255	3.834	-9.361	39.482	1.00	0.02
ATOM	2298	CG2	VAL	A	255	1.877	-7.899	40.047	1.00	0.00
ATOM	2299	C	VAL	A	255	3.387	-7.241	42.668	1.00	0.02
ATOM	2300	O	VAL	A	255	2.295	-6.890	43.135	1.00	0.02
ATOM	2301	N	PRO	A	256	4.516	-6.581	42.876	1.00	0.02
ATOM	2302	CA	PRO	A	256	4.504	-5.197	43.353	1.00	0.02
ATOM	2303	CB	PRO	A	256	5.943	-4.796	43.459	1.00	0.02
ATOM	2304	CG	PRO	A	256	6.815	-5.925	42.928	1.00	0.00

Table III (cont.)

ATOM	2305	CD	PRO	A	256	5.862	-7.035	42.515	1.00	0.02
ATOM	2306	C	PRO	A	256	3.748	-4.321	42.364	1.00	0.01
ATOM	2307	O	PRO	A	256	3.983	-4.375	41.151	1.00	0.01
ATOM	2308	N	MET	A	257	2.817	-3.551	42.888	1.00	0.02
ATOM	2310	CA	MET	A	257	1.925	-2.748	42.055	1.00	0.02
ATOM	2311	CB	MET	A	257	0.534	-3.335	42.232	1.00	0.01
ATOM	2312	CG	MET	A	257	-0.443	-2.884	41.158	1.00	0.02
ATOM	2313	SD	MET	A	257	-0.238	-3.681	39.550	1.00	0.02
ATOM	2314	CE	MET	A	257	-0.635	-5.384	39.996	1.00	0.02
ATOM	2315	C	MET	A	257	1.902	-1.296	42.515	1.00	0.00
ATOM	2316	O	MET	A	257	1.417	-0.989	43.610	1.00	0.02
ATOM	2317	N	MET	A	258	2.382	-0.413	41.659	1.00	0.01
ATOM	2319	CA	MET	A	258	2.388	1.020	41.954	1.00	0.02
ATOM	2320	CB	MET	A	258	3.323	1.701	40.968	1.00	0.01
ATOM	2321	CG	MET	A	258	4.699	1.054	40.968	1.00	0.01
ATOM	2322	SD	MET	A	258	5.891	1.774	39.818	1.00	0.01
ATOM	2323	CE	MET	A	258	4.983	1.573	38.271	1.00	0.00
ATOM	2324	C	MET	A	258	0.990	1.600	41.788	1.00	0.02
ATOM	2325	O	MET	A	258	0.451	1.661	40.674	1.00	0.02
ATOM	2326	N	HIS	A	259	0.397	1.948	42.917	1.00	0.01
ATOM	2328	CA	HIS	A	259	-0.940	2.541	42.928	1.00	0.01
ATOM	2329	CB	HIS	A	259	-1.625	2.053	44.202	1.00	0.78
ATOM	2330	CG	HIS	A	259	-3.078	2.437	44.412	1.00	1.36
ATOM	2331	ND1	HIS	A	259	-3.735	2.391	45.585	1.00	2.20
ATOM	2333	CE1	HIS	A	259	-5.007	2.802	45.401	1.00	2.85
ATOM	2334	NE2	HIS	A	259	-5.158	3.092	44.089	1.00	2.78
ATOM	2335	CD2	HIS	A	259	-3.981	2.861	43.465	1.00	2.13
ATOM	2336	C	HIS	A	259	-0.868	4.069	42.871	1.00	0.02
ATOM	2337	O	HIS	A	259	-0.052	4.713	43.548	1.00	0.02
ATOM	2338	N	GLN	A	260	-1.628	4.609	41.932	1.00	0.02
ATOM	2340	CA	GLN	A	260	-1.776	6.062	41.789	1.00	0.01
ATOM	2341	CB	GLN	A	260	-0.553	6.614	41.061	1.00	1.24
ATOM	2342	CG	GLN	A	260	-0.607	8.123	40.842	1.00	1.25
ATOM	2343	CD	GLN	A	260	-0.738	8.894	42.150	1.00	2.10
ATOM	2344	OE1	GLN	A	260	-1.835	8.996	42.716	1.00	2.67
ATOM	2345	NE2	GLN	A	260	0.355	9.512	42.553	1.00	2.69
ATOM	2348	C	GLN	A	260	-3.068	6.411	41.041	1.00	0.00
ATOM	2349	O	GLN	A	260	-3.191	6.194	39.829	1.00	0.01
ATOM	2350	N	LYS	A	261	-4.002	7.002	41.764	1.00	0.02
ATOM	2352	CA	LYS	A	261	-5.294	7.379	41.178	1.00	0.02
ATOM	2353	CB	LYS	A	261	-6.387	7.054	42.190	1.00	0.88
ATOM	2354	CG	LYS	A	261	-7.778	7.356	41.645	1.00	1.64
ATOM	2355	CD	LYS	A	261	-8.854	6.981	42.655	1.00	1.70
ATOM	2356	CE	LYS	A	261	-8.691	7.763	43.953	1.00	2.39
ATOM	2357	NZ	LYS	A	261	-9.741	7.398	44.917	1.00	2.92
ATOM	2358	C	LYS	A	261	-5.314	8.869	40.840	1.00	0.01
ATOM	2359	O	LYS	A	261	-5.677	9.699	41.681	1.00	0.01
ATOM	2360	N	GLU	A	262	-4.938	9.203	39.614	1.00	0.01
ATOM	2362	CA	GLU	A	262	-4.815	10.622	39.243	1.00	0.02
ATOM	2363	CB	GLU	A	262	-3.393	11.113	39.505	1.00	2.06
ATOM	2364	CG	GLU	A	262	-3.157	11.543	40.951	1.00	2.79
ATOM	2365	CD	GLU	A	262	-1.797	12.217	41.042	1.00	3.90
ATOM	2366	OE1	GLU	A	262	-1.315	12.623	39.987	1.00	4.49
ATOM	2367	OE2	GLU	A	262	-1.267	12.349	42.137	1.00	4.34
ATOM	2368	C	GLU	A	262	-5.178	10.992	37.802	1.00	0.02
ATOM	2369	O	GLU	A	262	-6.034	10.391	37.145	1.00	0.00
ATOM	2370	N	GLN	A	263	-4.375	11.934	37.326	1.00	0.01
ATOM	2372	CA	GLN	A	263	-4.570	12.772	36.122	1.00	0.00

Table III (cont.)

ATOM	2373	CB	GLN	A	263	-3.615	13.938	36.349	1.00	1.50
ATOM	2374	CG	GLN	A	263	-2.219	13.357	36.596	1.00	2.17
ATOM	2375	CD	GLN	A	263	-1.135	14.425	36.683	1.00	3.16
ATOM	2376	OE1	GLN	A	263	-0.815	15.081	35.688	1.00	3.64
ATOM	2377	NE2	GLN	A	263	-0.508	14.507	37.845	1.00	3.93
ATOM	2380	C	GLN	A	263	-4.159	12.182	34.770	1.00	0.02
ATOM	2381	O	GLN	A	263	-3.864	12.951	33.851	1.00	0.01
ATOM	2382	N	PHE	A	264	-4.137	10.874	34.627	1.00	0.02
ATOM	2384	CA	PHE	A	264	-3.383	10.288	33.515	1.00	0.01
ATOM	2385	CB	PHE	A	264	-3.114	8.840	33.871	1.00	0.00
ATOM	2386	CG	PHE	A	264	-2.376	8.716	35.193	1.00	0.02
ATOM	2387	CD1	PHE	A	264	-1.090	9.220	35.307	1.00	0.00
ATOM	2388	CE1	PHE	A	264	-0.408	9.118	36.509	1.00	0.01
ATOM	2389	CZ	PHE	A	264	-1.017	8.520	37.601	1.00	0.00
ATOM	2390	CE2	PHE	A	264	-2.311	8.034	37.494	1.00	0.01
ATOM	2391	CD2	PHE	A	264	-2.995	8.137	36.292	1.00	0.02
ATOM	2392	C	PHE	A	264	-4.063	10.395	32.156	1.00	0.02
ATOM	2393	O	PHE	A	264	-5.282	10.242	32.023	1.00	0.00
ATOM	2394	N	ALA	A	265	-3.256	10.726	31.160	1.00	0.02
ATOM	2396	CA	ALA	A	265	-3.737	10.764	29.778	1.00	0.01
ATOM	2397	CB	ALA	A	265	-2.667	11.385	28.888	1.00	0.49
ATOM	2398	C	ALA	A	265	-4.049	9.342	29.339	1.00	0.01
ATOM	2399	O	ALA	A	265	-3.198	8.446	29.443	1.00	0.01
ATOM	2400	N	PHE	A	266	-5.265	9.141	28.868	1.00	0.01
ATOM	2402	CA	PHE	A	266	-5.734	7.775	28.640	1.00	0.01
ATOM	2403	CB	PHE	A	266	-6.156	7.234	30.003	1.00	1.51
ATOM	2404	CG	PHE	A	266	-6.592	5.776	30.027	1.00	1.98
ATOM	2405	CD1	PHE	A	266	-5.645	4.769	29.916	1.00	2.64
ATOM	2406	CE1	PHE	A	266	-6.042	3.441	29.929	1.00	3.43
ATOM	2407	CZ	PHE	A	266	-7.386	3.122	30.058	1.00	3.64
ATOM	2408	CE2	PHE	A	266	-8.332	4.128	30.183	1.00	3.15
ATOM	2409	CD2	PHE	A	266	-7.933	5.455	30.172	1.00	2.32
ATOM	2410	C	PHE	A	266	-6.904	7.704	27.665	1.00	0.01
ATOM	2411	O	PHE	A	266	-7.866	8.475	27.754	1.00	0.01
ATOM	2412	N	GLY	A	267	-6.821	6.749	26.755	1.00	0.01
ATOM	2414	CA	GLY	A	267	-7.928	6.507	25.824	1.00	0.00
ATOM	2415	C	GLY	A	267	-8.132	5.019	25.554	1.00	0.01
ATOM	2416	O	GLY	A	267	-7.181	4.231	25.560	1.00	0.01
ATOM	2417	N	VAL	A	268	-9.381	4.625	25.392	1.00	0.00
ATOM	2419	CA	VAL	A	268	-9.668	3.233	25.027	1.00	0.01
ATOM	2420	CB	VAL	A	268	-10.971	2.778	25.676	1.00	0.65
ATOM	2421	CG1	VAL	A	268	-11.318	1.348	25.270	1.00	0.75
ATOM	2422	CG2	VAL	A	268	-10.887	2.887	27.194	1.00	0.82
ATOM	2423	C	VAL	A	268	-9.748	3.112	23.508	1.00	0.01
ATOM	2424	O	VAL	A	268	-10.726	3.521	22.871	1.00	0.01
ATOM	2425	N	ASP	A	269	-8.692	2.563	22.940	1.00	0.01
ATOM	2427	CA	ASP	A	269	-8.605	2.409	21.493	1.00	0.00
ATOM	2428	CB	ASP	A	269	-7.123	2.419	21.123	1.00	0.44
ATOM	2429	CG	ASP	A	269	-6.905	2.536	19.616	1.00	0.29
ATOM	2430	OD1	ASP	A	269	-6.024	3.277	19.222	1.00	0.56
ATOM	2431	OD2	ASP	A	269	-7.593	1.833	18.883	1.00	0.37
ATOM	2432	C	ASP	A	269	-9.270	1.096	21.091	1.00	0.01
ATOM	2433	O	ASP	A	269	-8.686	0.017	21.240	1.00	0.01
ATOM	2434	N	THR	A	270	-	1.211	20.369	1.00	0.00

Table III (cont.)

						10.371				
ATOM	2436	CA	THR	A	270	-11.141	0.021	19.977	1.00	0.01
ATOM	2437	CB	THR	A	270	-12.550	0.481	19.617	1.00	0.50
ATOM	2438	OG1	THR	A	270	-13.085	1.154	20.750	1.00	0.86
ATOM	2439	CG2	THR	A	270	-13.474	-0.684	19.282	1.00	1.61
ATOM	2440	C	THR	A	270	-10.521	-0.760	18.810	1.00	0.00
ATOM	2441	O	THR	A	270	-10.683	-1.983	18.756	1.00	0.01
ATOM	2442	N	GLU	A	271	-9.583	-0.147	18.105	1.00	0.01
ATOM	2444	CA	GLU	A	271	-8.892	-0.832	17.005	1.00	0.00
ATOM	2445	CB	GLU	A	271	-8.414	0.220	16.012	1.00	0.34
ATOM	2446	CG	GLU	A	271	-9.585	1.034	15.473	1.00	0.93
ATOM	2447	CD	GLU	A	271	-9.085	2.127	14.536	1.00	0.82
ATOM	2448	OE1	GLU	A	271	-8.023	1.944	13.958	1.00	0.84
ATOM	2449	OE2	GLU	A	271	-9.733	3.165	14.488	1.00	1.00
ATOM	2450	C	GLU	A	271	-7.696	-1.638	17.517	1.00	0.01
ATOM	2451	O	GLU	A	271	-7.262	-2.594	16.869	1.00	0.01
ATOM	2452	N	LEU	A	272	-7.251	-1.310	18.721	1.00	0.00
ATOM	2454	CA	LEU	A	272	-6.228	-2.101	19.418	1.00	0.01
ATOM	2455	CB	LEU	A	272	-5.293	-1.154	20.163	1.00	0.01
ATOM	2456	CG	LEU	A	272	-4.450	-0.309	19.215	1.00	0.00
ATOM	2457	CD1	LEU	A	272	-3.644	0.734	19.982	1.00	0.00
ATOM	2458	CD2	LEU	A	272	-3.523	-1.188	18.386	1.00	0.01
ATOM	2459	C	LEU	A	272	-6.896	-3.040	20.418	1.00	0.01
ATOM	2460	O	LEU	A	272	-6.260	-3.935	20.987	1.00	0.00
ATOM	2461	N	ASN	A	273	-8.204	-2.877	20.518	1.00	0.01
ATOM	2463	CA	ASN	A	273	-9.056	-3.573	21.475	1.00	0.01
ATOM	2464	CB	ASN	A	273	-9.106	-5.052	21.124	1.00	0.59
ATOM	2465	CG	ASN	A	273	-10.529	-5.554	21.328	1.00	1.61
ATOM	2466	OD1	ASN	A	273	-11.218	-5.159	22.278	1.00	2.19
ATOM	2467	ND2	ASN	A	273	-10.962	-6.398	20.411	1.00	2.30
ATOM	2470	C	ASN	A	273	-8.580	-3.367	22.908	1.00	0.01
ATOM	2471	O	ASN	A	273	-7.951	-4.275	23.470	1.00	0.01
ATOM	2472	N	CYS	A	274	-8.633	-2.102	23.321	1.00	0.01
ATOM	2474	CA	CYS	A	274	-8.541	-1.636	24.728	1.00	0.00
ATOM	2475	CB	CYS	A	274	-8.367	-2.729	25.774	1.00	0.97
ATOM	2476	SG	CYS	A	274	-9.906	-3.343	26.496	1.00	2.23
ATOM	2477	C	CYS	A	274	-7.560	-0.496	25.011	1.00	0.01
ATOM	2478	O	CYS	A	274	-7.305	0.404	24.202	1.00	0.01
ATOM	2479	N	PHE	A	275	-7.079	-0.543	26.240	1.00	0.01
ATOM	2481	CA	PHE	A	275	-6.541	0.622	26.959	1.00	0.01
ATOM	2482	CB	PHE	A	275	-6.426	0.196	28.420	1.00	0.85
ATOM	2483	CG	PHE	A	275	-7.696	-0.445	28.981	1.00	1.11
ATOM	2484	CD1	PHE	A	275	-8.913	0.223	28.910	1.00	1.88
ATOM	2485	CE1	PHE	A	275	-10.064	-0.374	29.406	1.00	2.82
ATOM	2486	CZ	PHE	A	275	-9.999	-1.637	29.980	1.00	2.95
ATOM	2487	CE2	PHE	A	275	-8.782	-2.300	30.062	1.00	2.21
ATOM	2488	CD2	PHE	A	275	-7.631	-1.703	29.565	1.00	1.32
ATOM	2489	C	PHE	A	275	-5.181	1.126	26.485	1.00	0.01

Table III (cont.)

ATOM	2490	O	PHE	A	275	-4.230	0.355	26.329	1.00	0.01
ATOM	2491	N	VAL	A	276	-5.105	2.430	26.274	1.00	0.01
ATOM	2493	CA	VAL	A	276	-3.837	3.106	25.971	1.00	0.00
ATOM	2494	CB	VAL	A	276	-3.917	3.722	24.575	1.00	0.00
ATOM	2495	CG1	VAL	A	276	-2.630	4.465	24.228	1.00	0.00
ATOM	2496	CG2	VAL	A	276	-4.222	2.669	23.515	1.00	0.01
ATOM	2497	C	VAL	A	276	-3.557	4.212	26.993	1.00	0.01
ATOM	2498	O	VAL	A	276	-4.204	5.270	26.990	1.00	0.01
ATOM	2499	N	LEU	A	277	-2.644	3.919	27.905	1.00	0.00
ATOM	2501	CA	LEU	A	277	-2.197	4.899	28.908	1.00	0.00
ATOM	2502	CB	LEU	A	277	-1.933	4.135	30.206	1.00	0.01
ATOM	2503	CG	LEU	A	277	-1.598	5.042	31.386	1.00	0.01
ATOM	2504	CD1	LEU	A	277	-2.724	6.031	31.654	1.00	0.01
ATOM	2505	CD2	LEU	A	277	-1.310	4.224	32.638	1.00	0.02
ATOM	2506	C	LEU	A	277	-0.921	5.591	28.423	1.00	0.01
ATOM	2507	O	LEU	A	277	-0.067	4.944	27.808	1.00	0.01
ATOM	2508	N	GLN	A	278	-0.822	6.894	28.624	1.00	0.01
ATOM	2510	CA	GLN	A	278	0.382	7.618	28.196	1.00	0.02
ATOM	2511	CB	GLN	A	278	0.085	8.219	26.831	1.00	0.54
ATOM	2512	CG	GLN	A	278	-1.353	8.713	26.749	1.00	0.92
ATOM	2513	CD	GLN	A	278	-1.695	9.059	25.309	1.00	0.81
ATOM	2514	OE1	GLN	A	278	-1.901	8.168	24.475	1.00	1.23
ATOM	2515	NE2	GLN	A	278	-1.791	10.347	25.047	1.00	1.11
ATOM	2518	C	GLN	A	278	0.855	8.675	29.201	1.00	0.01
ATOM	2519	O	GLN	A	278	0.274	9.761	29.337	1.00	0.00
ATOM	2520	N	MET	A	279	1.957	8.353	29.860	1.00	0.01
ATOM	2522	CA	MET	A	279	2.542	9.250	30.873	1.00	0.00
ATOM	2523	CB	MET	A	279	2.636	8.492	32.190	1.00	0.02
ATOM	2524	CG	MET	A	279	1.261	8.070	32.692	1.00	0.02
ATOM	2525	SD	MET	A	279	1.280	7.035	34.170	1.00	0.02
ATOM	2526	CE	MET	A	279	2.174	5.622	33.495	1.00	0.01
ATOM	2527	C	MET	A	279	3.937	9.737	30.481	1.00	0.01
ATOM	2528	O	MET	A	279	4.822	8.939	30.155	1.00	0.01
ATOM	2529	N	ASP	A	280	4.143	11.040	30.555	1.00	0.02
ATOM	2531	CA	ASP	A	280	5.448	11.608	30.190	1.00	0.01
ATOM	2532	CB	ASP	A	280	5.233	13.052	29.725	1.00	0.60
ATOM	2533	CG	ASP	A	280	6.513	13.690	29.173	1.00	1.52
ATOM	2534	OD1	ASP	A	280	7.222	13.007	28.441	1.00	2.18
ATOM	2535	OD2	ASP	A	280	6.670	14.888	29.350	1.00	1.96
ATOM	2536	C	ASP	A	280	6.442	11.557	31.355	1.00	0.01
ATOM	2537	O	ASP	A	280	6.096	11.768	32.529	1.00	0.00
ATOM	2538	N	TYR	A	281	7.657	11.163	31.014	1.00	0.01
ATOM	2540	CA	TYR	A	281	8.799	11.244	31.924	1.00	0.01
ATOM	2541	CB	TYR	A	281	9.948	10.412	31.369	1.00	0.01
ATOM	2542	CG	TYR	A	281	9.693	8.913	31.359	1.00	0.01
ATOM	2543	CD1	TYR	A	281	9.194	8.289	32.494	1.00	0.00
ATOM	2544	CE1	TYR	A	281	8.969	6.921	32.489	1.00	0.02
ATOM	2545	CZ	TYR	A	281	9.245	6.179	31.350	1.00	0.01
ATOM	2546	OH	TYR	A	281	9.043	4.816	31.357	1.00	0.00
ATOM	2547	CE2	TYR	A	281	9.745	6.799	30.214	1.00	0.01
ATOM	2548	CD2	TYR	A	281	9.972	8.168	30.220	1.00	0.00
ATOM	2549	C	TYR	A	281	9.255	12.687	32.035	1.00	0.01
ATOM	2550	O	TYR	A	281	8.700	13.569	31.367	1.00	0.02
ATOM	2551	N	LYS	A	282	10.160	12.940	32.962	1.00	0.02
ATOM	2553	CA	LYS	A	282	10.701	14.291	33.131	1.00	0.01
ATOM	2554	CB	LYS	A	282	11.492	14.351	34.433	1.00	0.41
ATOM	2555	CG	LYS	A	282	10.586	14.149	35.641	1.00	0.84
ATOM	2556	CD	LYS	A	282	11.364	14.264	36.948	1.00	1.00

Table III (cont.)

ATOM	2557	CE	LYS	A	282	10.439	14.165	38.157	1.00	1.86
ATOM	2558	NZ	LYS	A	282	11.195	14.269	39.415	1.00	2.31
ATOM	2559	C	LYS	A	282	11.602	14.667	31.963	1.00	0.01
ATOM	2560	O	LYS	A	282	12.704	14.130	31.821	1.00	0.01
ATOM	2561	N	GLY	A	283	11.108	15.543	31.106	1.00	0.01
ATOM	2563	CA	GLY	A	283	11.923	16.019	29.986	1.00	0.01
ATOM	2564	C	GLY	A	283	11.242	15.903	28.625	1.00	0.01
ATOM	2565	O	GLY	A	283	10.740	16.897	28.090	1.00	0.01
ATOM	2566	N	ASP	A	284	11.319	14.720	28.034	1.00	0.02
ATOM	2568	CA	ASP	A	284	10.847	14.535	26.654	1.00	0.01
ATOM	2569	CB	ASP	A	284	11.811	15.258	25.704	1.00	0.72
ATOM	2570	CG	ASP	A	284	13.267	14.827	25.890	1.00	0.83
ATOM	2571	OD1	ASP	A	284	13.687	13.930	25.169	1.00	1.50
ATOM	2572	OD2	ASP	A	284	13.942	15.402	26.734	1.00	1.34
ATOM	2573	C	ASP	A	284	10.690	13.068	26.243	1.00	0.01
ATOM	2574	O	ASP	A	284	11.207	12.656	25.195	1.00	0.01
ATOM	2575	N	ALA	A	285	9.862	12.330	26.963	1.00	0.01
ATOM	2577	CA	ALA	A	285	9.665	10.911	26.629	1.00	0.00
ATOM	2578	CB	ALA	A	285	10.844	10.098	27.153	1.00	0.02
ATOM	2579	C	ALA	A	285	8.362	10.354	27.198	1.00	0.01
ATOM	2580	O	ALA	A	285	8.231	10.161	28.413	1.00	0.00
ATOM	2581	N	VAL	A	286	7.444	10.020	26.310	1.00	0.01
ATOM	2583	CA	VAL	A	286	6.142	9.503	26.737	1.00	0.01
ATOM	2584	CB	VAL	A	286	5.077	9.989	25.761	1.00	0.25
ATOM	2585	CG1	VAL	A	286	3.682	9.553	26.198	1.00	0.48
ATOM	2586	CG2	VAL	A	286	5.129	11.505	25.621	1.00	0.75
ATOM	2587	C	VAL	A	286	6.148	7.978	26.791	1.00	0.01
ATOM	2588	O	VAL	A	286	6.418	7.298	25.793	1.00	0.00
ATOM	2589	N	ALA	A	287	5.878	7.456	27.974	1.00	0.01
ATOM	2591	CA	ALA	A	287	5.757	6.012	28.160	1.00	0.01
ATOM	2592	CB	ALA	A	287	6.195	5.658	29.573	1.00	0.00
ATOM	2593	C	ALA	A	287	4.316	5.565	27.945	1.00	0.01
ATOM	2594	O	ALA	A	287	3.404	5.909	28.713	1.00	0.00
ATOM	2595	N	PHE	A	288	4.123	4.857	26.849	1.00	0.01
ATOM	2597	CA	PHE	A	288	2.825	4.271	26.525	1.00	0.01
ATOM	2598	CB	PHE	A	288	2.663	4.190	25.010	1.00	0.48
ATOM	2599	CG	PHE	A	288	2.617	5.528	24.268	1.00	0.62
ATOM	2600	CD1	PHE	A	288	1.409	6.199	24.136	1.00	1.03
ATOM	2601	CE1	PHE	A	288	1.355	7.409	23.454	1.00	1.26
ATOM	2602	CZ	PHE	A	288	2.509	7.946	22.898	1.00	1.09
ATOM	2603	CE2	PHE	A	288	3.716	7.272	23.024	1.00	0.95
ATOM	2604	CD2	PHE	A	288	3.769	6.064	23.705	1.00	0.77
ATOM	2605	C	PHE	A	288	2.695	2.876	27.131	1.00	0.01
ATOM	2606	O	PHE	A	288	3.632	2.066	27.116	1.00	0.01
ATOM	2607	N	PHE	A	289	1.533	2.653	27.717	1.00	0.00
ATOM	2609	CA	PHE	A	289	1.172	1.371	28.329	1.00	0.02
ATOM	2610	CB	PHE	A	289	1.036	1.550	29.837	1.00	0.02
ATOM	2611	CG	PHE	A	289	2.351	1.838	30.553	1.00	0.02
ATOM	2612	CD1	PHE	A	289	3.146	0.780	30.970	1.00	0.01
ATOM	2613	CE1	PHE	A	289	4.347	1.026	31.621	1.00	0.01
ATOM	2614	CZ	PHE	A	289	4.754	2.331	31.853	1.00	0.00
ATOM	2615	CE2	PHE	A	289	3.958	3.391	31.439	1.00	0.02
ATOM	2616	CD2	PHE	A	289	2.755	3.145	30.793	1.00	0.01
ATOM	2617	C	PHE	A	289	-0.146	0.882	27.747	1.00	0.01
ATOM	2618	O	PHE	A	289	-1.234	1.344	28.121	1.00	0.00
ATOM	2619	N	VAL	A	290	-0.030	-0.050	26.819	1.00	0.01
ATOM	2621	CA	VAL	A	290	-1.199	-0.530	26.087	1.00	0.01
ATOM	2622	CB	VAL	A	290	-0.838	-0.588	24.608	1.00	0.18

Table III (cont.)

ATOM	2623	CG1	VAL	A	290	-2.103	-0.578	23.760	1.00	0.27
ATOM	2624	CG2	VAL	A	290	0.031	0.603	24.221	1.00	0.21
ATOM	2625	C	VAL	A	290	-1.639	-1.905	26.591	1.00	0.01
ATOM	2626	O	VAL	A	290	-0.972	-2.922	26.362	1.00	0.01
ATOM	2627	N	LEU	A	291	-2.783	-1.917	27.250	1.00	0.00
ATOM	2629	CA	LEU	A	291	-3.341	-3.146	27.826	1.00	0.01
ATOM	2630	CB	LEU	A	291	-3.874	-2.824	29.219	1.00	0.01
ATOM	2631	CG	LEU	A	291	-4.424	-4.056	29.932	1.00	0.01
ATOM	2632	CD1	LEU	A	291	-3.342	-5.113	30.113	1.00	0.02
ATOM	2633	CD2	LEU	A	291	-5.021	-3.677	31.281	1.00	0.01
ATOM	2634	C	LEU	A	291	-4.474	-3.678	26.953	1.00	0.01
ATOM	2635	O	LEU	A	291	-5.575	-3.111	26.930	1.00	0.00
ATOM	2636	N	PRO	A	292	-4.194	-4.771	26.261	1.00	0.01
ATOM	2637	CA	PRO	A	292	-5.169	-5.403	25.370	1.00	0.01
ATOM	2638	CB	PRO	A	292	-4.388	-6.418	24.595	1.00	0.01
ATOM	2639	CG	PRO	A	292	-2.992	-6.534	25.186	1.00	0.01
ATOM	2640	CD	PRO	A	292	-2.916	-5.489	26.284	1.00	0.01
ATOM	2641	C	PRO	A	292	-6.287	-6.090	26.139	1.00	0.01
ATOM	2642	O	PRO	A	292	-6.165	-6.362	27.340	1.00	0.02
ATOM	2643	N	SER	A	293	-7.386	-6.324	25.445	1.00	0.01
ATOM	2645	CA	SER	A	293	-8.472	-7.139	26.000	1.00	0.01
ATOM	2646	CB	SER	A	293	-9.636	-7.190	25.017	1.00	1.05
ATOM	2647	OG	SER	A	293	-10.092	-5.868	24.781	1.00	1.03
ATOM	2648	C	SER	A	293	-7.975	-8.559	26.229	1.00	0.01
ATOM	2649	O	SER	A	293	-7.012	-8.999	25.587	1.00	0.01
ATOM	2650	N	LYS	A	294	-8.613	-9.258	27.152	1.00	0.00
ATOM	2652	CA	LYS	A	294	-8.253	-10.655	27.434	1.00	0.01
ATOM	2653	CB	LYS	A	294	-9.124	-11.140	28.587	1.00	0.54
ATOM	2654	CG	LYS	A	294	-8.797	-12.572	28.996	1.00	1.54
ATOM	2655	CD	LYS	A	294	-9.634	-12.990	30.198	1.00	2.50
ATOM	2656	CE	LYS	A	294	-9.385	-12.059	31.380	1.00	3.48
ATOM	2657	NZ	LYS	A	294	-10.205	-12.443	32.539	1.00	4.07
ATOM	2658	C	LYS	A	294	-8.468	-11.533	26.199	1.00	0.01
ATOM	2659	O	LYS	A	294	-9.591	-11.681	25.707	1.00	0.01
ATOM	2660	N	GLY	A	295	-7.360	-11.997	25.639	1.00	0.01
ATOM	2662	CA	GLY	A	295	-7.391	-12.817	24.421	1.00	0.01
ATOM	2663	C	GLY	A	295	-6.939	-12.038	23.182	1.00	0.01
ATOM	2664	O	GLY	A	295	-6.305	-12.600	22.281	1.00	0.01
ATOM	2665	N	LYS	A	296	-7.107	-10.726	23.232	1.00	0.01
ATOM	2667	CA	LYS	A	296	-6.846	-9.849	22.085	1.00	0.01
ATOM	2668	CB	LYS	A	296	-7.853	-8.710	22.110	1.00	0.01
ATOM	2669	CG	LYS	A	296	-9.257	-9.233	21.840	1.00	0.01
ATOM	2670	CD	LYS	A	296	-9.341	-9.847	20.447	1.00	0.01
ATOM	2671	CE	LYS	A	296	-	-	20.138	1.00	0.00

Table III (cont.)

						10.746	10.345			
ATOM	2672	NZ	LYS	A	296	-10.815	-10.887	18.773	1.00	0.01
ATOM	2673	C	LYS	A	296	-5.433	-9.279	22.051	1.00	0.01
ATOM	2674	O	LYS	A	296	-5.175	-8.337	21.290	1.00	0.01
ATOM	2675	N	MET	A	297	-4.504	-9.942	22.720	1.00	0.01
ATOM	2677	CA	MET	A	297	-3.123	-9.456	22.805	1.00	0.00
ATOM	2678	CB	MET	A	297	-2.353	-10.395	23.722	1.00	0.99
ATOM	2679	CG	MET	A	297	-0.922	-9.920	23.947	1.00	1.52
ATOM	2680	SD	MET	A	297	0.150	-11.110	24.780	1.00	1.96
ATOM	2681	CE	MET	A	297	-0.977	-11.607	26.104	1.00	1.91
ATOM	2682	C	MET	A	297	-2.448	-9.451	21.439	1.00	0.01
ATOM	2683	O	MET	A	297	-1.946	-8.402	21.013	1.00	0.01
ATOM	2684	N	ARG	A	298	-2.725	-10.481	20.655	1.00	0.01
ATOM	2686	CA	ARG	A	298	-2.131	-10.573	19.323	1.00	0.01
ATOM	2687	CB	ARG	A	298	-2.184	-12.028	18.874	1.00	0.22
ATOM	2688	CG	ARG	A	298	-1.429	-12.245	17.567	1.00	0.84
ATOM	2689	CD	ARG	A	298	0.040	-11.853	17.695	1.00	1.21
ATOM	2690	NE	ARG	A	298	0.759	-12.104	16.436	1.00	1.81
ATOM	2691	CZ	ARG	A	298	1.716	-11.304	15.959	1.00	2.42
ATOM	2692	NH1	ARG	A	298	2.319	-11.599	14.805	1.00	3.43
ATOM	2693	NH2	ARG	A	298	2.068	-10.206	16.632	1.00	2.42
ATOM	2694	C	ARG	A	298	-2.852	-9.676	18.318	1.00	0.01
ATOM	2695	O	ARG	A	298	-2.171	-9.052	17.497	1.00	0.01
ATOM	2696	N	GLN	A	299	-4.099	-9.330	18.599	1.00	0.01
ATOM	2698	CA	GLN	A	299	-4.825	-8.428	17.700	1.00	0.01
ATOM	2699	CB	GLN	A	299	-6.322	-8.497	17.984	1.00	0.22
ATOM	2700	CG	GLN	A	299	-7.083	-7.552	17.056	1.00	1.14
ATOM	2701	CD	GLN	A	299	-8.588	-7.630	17.297	1.00	1.84
ATOM	2702	OE1	GLN	A	299	-9.099	-7.198	18.338	1.00	2.37
ATOM	2703	NE2	GLN	A	299	-9.284	-8.196	16.326	1.00	2.56
ATOM	2706	C	GLN	A	299	-4.333	-6.997	17.881	1.00	0.01
ATOM	2707	O	GLN	A	299	-4.008	-6.348	16.877	1.00	0.01
ATOM	2708	N	LEU	A	300	-3.960	-6.671	19.110	1.00	0.01
ATOM	2710	CA	LEU	A	300	-3.388	-5.360	19.417	1.00	0.01
ATOM	2711	CB	LEU	A	300	-3.364	-5.224	20.941	1.00	0.01
ATOM	2712	CG	LEU	A	300	-2.876	-3.865	21.444	1.00	0.01
ATOM	2713	CD1	LEU	A	300	-3.619	-3.466	22.711	1.00	0.01
ATOM	2714	CD2	LEU	A	300	-1.366	-3.814	21.673	1.00	0.01
ATOM	2715	C	LEU	A	300	-1.979	-5.241	18.852	1.00	0.01
ATOM	2716	O	LEU	A	300	-1.670	-4.242	18.188	1.00	0.00
ATOM	2717	N	GLU	A	301	-1.244	-6.342	18.871	1.00	0.01
ATOM	2719	CA	GLU	A	301	0.128	-6.330	18.360	1.00	0.01
ATOM	2720	CB	GLU	A	301	0.833	-7.573	18.881	1.00	0.00
ATOM	2721	CG	GLU	A	301	0.969	-7.496	20.397	1.00	0.01
ATOM	2722	CD	GLU	A	301	1.457	-8.820	20.975	1.00	0.01

Table III (cont.)

ATOM	2723	OE1	GLU	A	301	0.861	-9.838	20.645	1.00	0.01
ATOM	2724	OE2	GLU	A	301	2.301	-8.771	21.857	1.00	0.01
ATOM	2725	C	GLU	A	301	0.183	-6.273	16.835	1.00	0.00
ATOM	2726	O	GLU	A	301	1.031	-5.554	16.300	1.00	0.01
ATOM	2727	N	GLN	A	302	-0.854	-6.767	16.178	1.00	0.00
ATOM	2729	CA	GLN	A	302	-0.954	-6.664	14.717	1.00	0.01
ATOM	2730	CB	GLN	A	302	-1.851	-7.793	14.233	1.00	0.25
ATOM	2731	CG	GLN	A	302	-1.306	-9.172	14.574	1.00	0.93
ATOM	2732	CD	GLN	A	302	-2.446	-10.171	14.418	1.00	1.50
ATOM	2733	OE1	GLN	A	302	-2.265	-11.388	14.534	1.00	2.23
ATOM	2734	NE2	GLN	A	302	-3.632	-9.625	14.210	1.00	1.68
ATOM	2737	C	GLN	A	302	-1.588	-5.351	14.249	1.00	0.01
ATOM	2738	O	GLN	A	302	-1.615	-5.082	13.043	1.00	0.00
ATOM	2739	N	ALA	A	303	-2.109	-4.560	15.174	1.00	0.00
ATOM	2741	CA	ALA	A	303	-2.790	-3.316	14.808	1.00	0.00
ATOM	2742	CB	ALA	A	303	-4.138	-3.269	15.518	1.00	0.26
ATOM	2743	C	ALA	A	303	-1.975	-2.063	15.131	1.00	0.00
ATOM	2744	O	ALA	A	303	-2.486	-0.941	15.004	1.00	0.00
ATOM	2745	N	LEU	A	304	-0.737	-2.251	15.561	1.00	0.01
ATOM	2747	CA	LEU	A	304	0.133	-1.114	15.905	1.00	0.01
ATOM	2748	CB	LEU	A	304	1.343	-1.654	16.656	1.00	0.01
ATOM	2749	CG	LEU	A	304	0.954	-2.357	17.949	1.00	0.01
ATOM	2750	CD1	LEU	A	304	2.151	-3.094	18.536	1.00	0.00
ATOM	2751	CD2	LEU	A	304	0.366	-1.376	18.959	1.00	0.01
ATOM	2752	C	LEU	A	304	0.640	-0.360	14.674	1.00	0.01
ATOM	2753	O	LEU	A	304	1.621	-0.768	14.045	1.00	0.00
ATOM	2754	N	SER	A	305	-0.014	0.741	14.349	1.00	0.00
ATOM	2756	CA	SER	A	305	0.463	1.577	13.243	1.00	0.01
ATOM	2757	CB	SER	A	305	-0.707	2.019	12.371	1.00	0.42
ATOM	2758	OG	SER	A	305	-1.347	3.114	13.014	1.00	0.47
ATOM	2759	C	SER	A	305	1.161	2.818	13.779	1.00	0.00
ATOM	2760	O	SER	A	305	0.774	3.360	14.821	1.00	0.01
ATOM	2761	N	ALA	A	306	2.015	3.393	12.949	1.00	0.00
ATOM	2763	CA	ALA	A	306	2.696	4.636	13.326	1.00	0.01
ATOM	2764	CB	ALA	A	306	3.900	4.838	12.412	1.00	0.26
ATOM	2765	C	ALA	A	306	1.768	5.852	13.243	1.00	0.00
ATOM	2766	O	ALA	A	306	1.963	6.820	13.988	1.00	0.00
ATOM	2767	N	ARG	A	307	0.647	5.696	12.554	1.00	0.00
ATOM	2769	CA	ARG	A	307	-0.332	6.779	12.479	1.00	0.01
ATOM	2770	CB	ARG	A	307	-1.239	6.557	11.278	1.00	0.19
ATOM	2771	CG	ARG	A	307	-1.769	7.885	10.745	1.00	1.11
ATOM	2772	CD	ARG	A	307	-3.277	7.865	10.521	1.00	1.47
ATOM	2773	NE	ARG	A	307	-3.994	7.930	11.805	1.00	2.53
ATOM	2774	CZ	ARG	A	307	-4.809	6.974	12.255	1.00	3.45
ATOM	2775	NH1	ARG	A	307	-4.995	5.862	11.541	1.00	4.09
ATOM	2776	NH2	ARG	A	307	-5.419	7.122	13.432	1.00	4.06
ATOM	2777	C	ARG	A	307	-1.176	6.837	13.753	1.00	0.01
ATOM	2778	O	ARG	A	307	-1.359	7.931	14.297	1.00	0.00
ATOM	2779	N	THR	A	308	-1.485	5.692	14.349	1.00	0.01
ATOM	2781	CA	THR	A	308	-2.165	5.723	15.652	1.00	0.00
ATOM	2782	CB	THR	A	308	-2.832	4.376	15.929	1.00	0.18
ATOM	2783	OG1	THR	A	308	-1.837	3.361	15.955	1.00	0.24
ATOM	2784	CG2	THR	A	308	-3.858	4.012	14.863	1.00	0.45
ATOM	2785	C	THR	A	308	-1.187	6.045	16.780	1.00	0.01
ATOM	2786	O	THR	A	308	-1.579	6.676	17.767	1.00	0.00
ATOM	2787	N	LEU	A	309	0.093	5.852	16.514	1.00	0.01

Table III (cont.)

ATOM	2789	CA	LEU	A	309	1.135	6.202	17.481	1.00	0.01
ATOM	2790	CB	LEU	A	309	2.444	5.577	17.012	1.00	0.17
ATOM	2791	CG	LEU	A	309	2.809	4.260	17.697	1.00	0.39
ATOM	2792	CD1	LEU	A	309	1.665	3.253	17.805	1.00	0.43
ATOM	2793	CD2	LEU	A	309	4.007	3.630	17.001	1.00	0.47
ATOM	2794	C	LEU	A	309	1.304	7.714	17.567	1.00	0.01
ATOM	2795	O	LEU	A	309	1.259	8.269	18.673	1.00	0.01
ATOM	2796	N	ILE	A	310	1.224	8.387	16.428	1.00	0.01
ATOM	2798	CA	ILE	A	310	1.309	9.849	16.443	1.00	0.01
ATOM	2799	CB	ILE	A	310	1.872	10.353	15.112	1.00	0.24
ATOM	2800	CG2	ILE	A	310	0.948	10.046	13.940	1.00	0.79
ATOM	2801	CG1	ILE	A	310	2.160	11.849	15.168	1.00	1.18
ATOM	2802	CD1	ILE	A	310	2.720	12.350	13.842	1.00	1.93
ATOM	2803	C	ILE	A	310	-0.043	10.487	16.783	1.00	0.01
ATOM	2804	O	ILE	A	310	-0.070	11.594	17.336	1.00	0.01
ATOM	2805	N	LYS	A	311	-1.107	9.702	16.703	1.00	0.01
ATOM	2807	CA	LYS	A	311	-2.419	10.150	17.164	1.00	0.01
ATOM	2808	CB	LYS	A	311	-3.464	9.156	16.677	1.00	0.01
ATOM	2809	CG	LYS	A	311	-4.850	9.489	17.209	1.00	0.01
ATOM	2810	CD	LYS	A	311	-5.842	8.389	16.858	1.00	0.01
ATOM	2811	CE	LYS	A	311	-7.228	8.691	17.414	1.00	0.00
ATOM	2812	NZ	LYS	A	311	-8.166	7.606	17.087	1.00	0.01
ATOM	2813	C	LYS	A	311	-2.452	10.227	18.686	1.00	0.01
ATOM	2814	O	LYS	A	311	-2.705	11.305	19.242	1.00	0.01
ATOM	2815	N	TRP	A	312	-1.911	9.206	19.329	1.00	0.01
ATOM	2817	CA	TRP	A	312	-1.874	9.211	20.789	1.00	0.01
ATOM	2818	CB	TRP	A	312	-1.702	7.784	21.291	1.00	0.26
ATOM	2819	CG	TRP	A	312	-2.941	6.939	21.080	1.00	0.93
ATOM	2820	CD1	TRP	A	312	-3.058	5.824	20.281	1.00	2.03
ATOM	2821	NE1	TRP	A	312	-4.334	5.374	20.351	1.00	2.63
ATOM	2823	CE2	TRP	A	312	-5.073	6.138	21.177	1.00	1.99
ATOM	2824	CZ2	TRP	A	312	-6.399	6.090	21.558	1.00	2.30
ATOM	2825	CH2	TRP	A	312	-6.898	7.040	22.452	1.00	1.63
ATOM	2826	CZ3	TRP	A	312	-6.068	8.027	22.958	1.00	0.98
ATOM	2827	CE3	TRP	A	312	-4.730	8.082	22.576	1.00	0.71
ATOM	2828	CD2	TRP	A	312	-4.230	7.143	21.684	1.00	0.94
ATOM	2829	C	TRP	A	312	-0.777	10.113	21.338	1.00	0.00
ATOM	2830	O	TRP	A	312	-1.025	10.794	22.338	1.00	0.01
ATOM	2831	N	SER	A	313	0.236	10.390	20.534	1.00	0.00
ATOM	2833	CA	SER	A	313	1.279	11.321	20.976	1.00	0.00
ATOM	2834	CB	SER	A	313	2.560	11.069	20.190	1.00	0.24
ATOM	2835	OG	SER	A	313	2.342	11.501	18.857	1.00	0.20
ATOM	2836	C	SER	A	313	0.882	12.796	20.830	1.00	0.01
ATOM	2837	O	SER	A	313	1.640	13.656	21.290	1.00	0.00
ATOM	2838	N	HIS	A	314	-0.245	13.105	20.200	1.00	0.01
ATOM	2840	CA	HIS	A	314	-0.728	14.488	20.258	1.00	0.01
ATOM	2841	CB	HIS	A	314	-1.012	15.063	18.869	1.00	0.13
ATOM	2842	CG	HIS	A	314	-2.195	14.499	18.103	1.00	0.18
ATOM	2843	ND1	HIS	A	314	-2.128	13.688	17.033	1.00	0.25
ATOM	2845	CE1	HIS	A	314	-3.375	13.404	16.607	1.00	0.30
ATOM	2846	NE2	HIS	A	314	-4.242	14.049	17.420	1.00	0.28
ATOM	2847	CD2	HIS	A	314	-3.530	14.737	18.340	1.00	0.22
ATOM	2848	C	HIS	A	314	-1.958	14.594	21.154	1.00	0.01
ATOM	2849	O	HIS	A	314	-2.450	15.700	21.411	1.00	0.01
ATOM	2850	N	SER	A	315	-2.462	13.456	21.603	1.00	0.01
ATOM	2852	CA	SER	A	315	-3.602	13.466	22.521	1.00	0.00
ATOM	2853	CB	SER	A	315	-4.209	12.075	22.626	1.00	1.14
ATOM	2854	OG	SER	A	315	-5.144	12.131	23.697	1.00	0.90

Table III (cont.)

ATOM	2855	C	SER	A	315	-3.187	13.914	23.912	1.00	0.01
ATOM	2856	O	SER	A	315	-2.451	13.230	24.629	1.00	0.01
ATOM	2857	N	LEU	A	316	-3.759	15.029	24.321	1.00	0.00
ATOM	2859	CA	LEU	A	316	-3.489	15.563	25.654	1.00	0.01
ATOM	2860	CB	LEU	A	316	-3.311	17.071	25.509	1.00	0.88
ATOM	2861	CG	LEU	A	316	-2.537	17.664	26.682	1.00	2.18
ATOM	2862	CD1	LEU	A	316	-1.203	16.939	26.876	1.00	2.44
ATOM	2863	CD2	LEU	A	316	-2.336	19.167	26.493	1.00	3.16
ATOM	2864	C	LEU	A	316	-4.621	15.225	26.633	1.00	0.01
ATOM	2865	O	LEU	A	316	-4.649	15.755	27.750	1.00	0.01
ATOM	2866	N	GLN	A	317	-5.507	14.318	26.241	1.00	0.01
ATOM	2868	CA	GLN	A	317	-6.718	14.058	27.030	1.00	0.00
ATOM	2869	CB	GLN	A	317	-7.740	13.326	26.166	1.00	0.55
ATOM	2870	CG	GLN	A	317	-9.095	13.217	26.866	1.00	1.06
ATOM	2871	CD	GLN	A	317	-9.686	14.609	27.104	1.00	1.59
ATOM	2872	OE1	GLN	A	317	-9.231	15.360	27.973	1.00	2.10
ATOM	2873	NE2	GLN	A	317	-10.682	14.947	26.304	1.00	2.07
ATOM	2876	C	GLN	A	317	-6.428	13.248	28.288	1.00	0.01
ATOM	2877	O	GLN	A	317	-6.204	12.030	28.245	1.00	0.01
ATOM	2878	N	LYS	A	318	-6.423	13.963	29.397	1.00	0.01
ATOM	2880	CA	LYS	A	318	-6.161	13.376	30.708	1.00	0.00
ATOM	2881	CB	LYS	A	318	-5.293	14.346	31.495	1.00	0.64
ATOM	2882	CG	LYS	A	318	-3.944	14.570	30.825	1.00	1.38
ATOM	2883	CD	LYS	A	318	-3.065	15.477	31.674	1.00	1.55
ATOM	2884	CE	LYS	A	318	-1.700	15.689	31.033	1.00	2.51
ATOM	2885	NZ	LYS	A	318	-0.837	16.502	31.905	1.00	3.10
ATOM	2886	C	LYS	A	318	-7.452	13.143	31.474	1.00	0.02
ATOM	2887	O	LYS	A	318	-8.345	13.997	31.492	1.00	0.01
ATOM	2888	N	ARG	A	319	-7.552	11.986	32.098	1.00	0.02
ATOM	2890	CA	ARG	A	319	-8.712	11.728	32.945	1.00	0.01
ATOM	2891	CB	ARG	A	319	-9.810	11.008	32.171	1.00	0.01
ATOM	2892	CG	ARG	A	319	-9.397	9.697	31.517	1.00	0.00
ATOM	2893	CD	ARG	A	319	-10.610	9.150	30.774	1.00	0.00
ATOM	2894	NE	ARG	A	319	-10.350	7.878	30.088	1.00	0.02
ATOM	2895	CZ	ARG	A	319	-10.965	7.547	28.950	1.00	0.01
ATOM	2896	NH1	ARG	A	319	-11.774	8.423	28.352	1.00	0.01
ATOM	2897	NH2	ARG	A	319	-10.727	6.365	28.378	1.00	0.01
ATOM	2898	C	ARG	A	319	-8.346	10.999	34.231	1.00	0.02
ATOM	2899	O	ARG	A	319	-7.237	10.488	34.422	1.00	0.01
ATOM	2900	N	TRP	A	320	-9.294	11.068	35.145	1.00	0.02
ATOM	2902	CA	TRP	A	320	-9.134	10.543	36.499	1.00	0.01
ATOM	2903	CB	TRP	A	320	-10.232	11.177	37.346	1.00	2.46
ATOM	2904	CG	TRP	A	320	-10.407	12.649	37.031	1.00	3.22
ATOM	2905	CD1	TRP	A	320	-9.571	13.677	37.406	1.00	4.15
ATOM	2906	NE1	TRP	A	320	-10.048	14.835	36.887	1.00	4.95
ATOM	2908	CE2	TRP	A	320	-11.170	14.620	36.167	1.00	4.71
ATOM	2909	CZ2	TRP	A	320	-11.968	15.453	35.399	1.00	5.57

Table III (cont.)

ATOM	2910	CH2	TRP	A	320	-13.083	14.932	34.750	1.00	5.51
ATOM	2911	CZ3	TRP	A	320	-13.393	13.580	34.861	1.00	4.74
ATOM	2912	CE3	TRP	A	320	-12.587	12.736	35.613	1.00	3.74
ATOM	2913	CD2	TRP	A	320	-11.471	13.253	36.260	1.00	3.68
ATOM	2914	C	TRP	A	320	-9.278	9.032	36.489	1.00	0.00
ATOM	2915	O	TRP	A	320	-10.354	8.506	36.190	1.00	0.00
ATOM	2916	N	ILE	A	321	-8.172	8.350	36.720	1.00	0.01
ATOM	2918	CA	ILE	A	321	-8.166	6.881	36.726	1.00	0.00
ATOM	2919	CB	ILE	A	321	-7.656	6.390	35.378	1.00	0.72
ATOM	2920	CG2	ILE	A	321	-8.752	6.400	34.315	1.00	1.67
ATOM	2921	CG1	ILE	A	321	-6.452	7.206	34.930	1.00	1.15
ATOM	2922	CD1	ILE	A	321	-5.986	6.773	33.549	1.00	1.60
ATOM	2923	C	ILE	A	321	-7.317	6.306	37.857	1.00	0.02
ATOM	2924	O	ILE	A	321	-6.287	6.869	38.249	1.00	0.00
ATOM	2925	N	GLU	A	322	-7.732	5.140	38.323	1.00	0.01
ATOM	2927	CA	GLU	A	322	-7.086	4.466	39.461	1.00	0.02
ATOM	2928	CB	GLU	A	322	-8.198	3.733	40.205	1.00	0.75
ATOM	2929	CG	GLU	A	322	-7.735	3.098	41.508	1.00	1.32
ATOM	2930	CD	GLU	A	322	-8.891	2.309	42.108	1.00	1.58
ATOM	2931	OE1	GLU	A	322	-8.813	1.994	43.287	1.00	1.93
ATOM	2932	OE2	GLU	A	322	-9.859	2.086	41.392	1.00	1.79
ATOM	2933	C	GLU	A	322	-6.012	3.474	38.997	1.00	0.02
ATOM	2934	O	GLU	A	322	-6.201	2.254	39.077	1.00	0.02
ATOM	2935	N	VAL	A	323	-4.871	4.007	38.597	1.00	0.00
ATOM	2937	CA	VAL	A	323	-3.819	3.209	37.952	1.00	0.00
ATOM	2938	CB	VAL	A	323	-2.852	4.200	37.307	1.00	0.58
ATOM	2939	CG1	VAL	A	323	-1.511	3.597	36.913	1.00	1.12
ATOM	2940	CG2	VAL	A	323	-3.507	4.860	36.104	1.00	1.30
ATOM	2941	C	VAL	A	323	-3.095	2.236	38.885	1.00	0.02
ATOM	2942	O	VAL	A	323	-2.768	2.554	40.038	1.00	0.00
ATOM	2943	N	PHE	A	324	-2.997	1.007	38.396	1.00	0.02
ATOM	2945	CA	PHE	A	324	-2.221	-0.061	39.037	1.00	0.02
ATOM	2946	CB	PHE	A	324	-3.167	-1.200	39.409	1.00	0.70
ATOM	2947	CG	PHE	A	324	-4.225	-0.894	40.461	1.00	0.66
ATOM	2948	CD1	PHE	A	324	-3.850	-0.696	41.783	1.00	1.33
ATOM	2949	CE1	PHE	A	324	-4.815	-0.432	42.745	1.00	2.10
ATOM	2950	CZ	PHE	A	324	-6.155	-0.369	42.387	1.00	2.27
ATOM	2951	CE2	PHE	A	324	-6.531	-0.571	41.065	1.00	1.95
ATOM	2952	CD2	PHE	A	324	-5.566	-0.837	40.103	1.00	1.28
ATOM	2953	C	PHE	A	324	-1.190	-0.636	38.063	1.00	0.01
ATOM	2954	O	PHE	A	324	-1.516	-1.572	37.320	1.00	0.00
ATOM	2955	N	ILE	A	325	0.034	-0.128	38.092	1.00	0.01
ATOM	2957	CA	ILE	A	325	1.088	-0.642	37.188	1.00	0.02
ATOM	2958	CB	ILE	A	325	1.659	0.527	36.379	1.00	0.42
ATOM	2959	CG2	ILE	A	325	2.869	0.119	35.543	1.00	0.61
ATOM	2960	CG1	ILE	A	325	0.598	1.123	35.468	1.00	0.74
ATOM	2961	CD1	ILE	A	325	1.195	2.203	34.575	1.00	1.12
ATOM	2962	C	ILE	A	325	2.209	-1.345	37.961	1.00	0.02
ATOM	2963	O	ILE	A	325	2.764	-0.770	38.901	1.00	0.01
ATOM	2964	N	PRO	A	326	2.521	-2.577	37.588	1.00	0.00
ATOM	2965	CA	PRO	A	326	3.556	-3.351	38.287	1.00	0.02
ATOM	2966	CB	PRO	A	326	3.580	-4.687	37.615	1.00	0.02
ATOM	2967	CG	PRO	A	326	2.546	-4.703	36.502	1.00	0.00

Table III (cont.)

ATOM	2968	CD	PRO	A	326	1.890	-3.333	36.507	1.00	0.02
ATOM	2969	C	PRO	A	326	4.932	-2.683	38.260	1.00	0.00
ATOM	2970	O	PRO	A	326	5.296	-1.981	37.309	1.00	0.02
ATOM	2971	N	ARG	A	327	5.646	-2.858	39.358	1.00	0.01
ATOM	2973	CA	ARG	A	327	6.977	-2.267	39.528	1.00	0.02
ATOM	2974	CB	ARG	A	327	7.056	-1.674	40.929	1.00	0.43
ATOM	2975	CG	ARG	A	327	8.383	-0.959	41.131	1.00	1.22
ATOM	2976	CD	ARG	A	327	8.580	-0.486	42.561	1.00	1.09
ATOM	2977	NE	ARG	A	327	9.842	0.261	42.668	1.00	2.19
ATOM	2978	CZ	ARG	A	327	10.975	-0.253	43.151	1.00	2.68
ATOM	2979	NH1	ARG	A	327	12.079	0.495	43.192	1.00	3.44
ATOM	2980	NH2	ARG	A	327	11.008	-1.517	43.581	1.00	2.85
ATOM	2981	C	ARG	A	327	8.077	-3.316	39.398	1.00	0.02
ATOM	2982	O	ARG	A	327	8.186	-4.202	40.256	1.00	0.02
ATOM	2983	N	PHE	A	328	8.933	-3.157	38.399	1.00	0.02
ATOM	2985	CA	PHE	A	328	10.045	-4.102	38.206	1.00	0.01
ATOM	2986	CB	PHE	A	328	9.496	-5.484	37.861	1.00	1.21
ATOM	2987	CG	PHE	A	328	10.160	-6.623	38.635	1.00	2.16
ATOM	2988	CD1	PHE	A	328	9.523	-7.158	39.747	1.00	3.00
ATOM	2989	CE1	PHE	A	328	10.117	-8.194	40.457	1.00	3.93
ATOM	2990	CZ	PHE	A	328	11.348	-8.696	40.054	1.00	4.19
ATOM	2991	CE2	PHE	A	328	11.984	-8.161	38.942	1.00	3.65
ATOM	2992	CD2	PHE	A	328	11.390	-7.126	38.233	1.00	2.61
ATOM	2993	C	PHE	A	328	10.986	-3.651	37.091	1.00	0.01
ATOM	2994	O	PHE	A	328	10.583	-2.979	36.135	1.00	0.00
ATOM	2995	N	SER	A	329	12.254	-3.988	37.242	1.00	0.01
ATOM	2997	CA	SER	A	329	13.218	-3.718	36.176	1.00	0.01
ATOM	2998	CB	SER	A	329	14.586	-3.439	36.775	1.00	0.00
ATOM	2999	OG	SER	A	329	15.460	-3.178	35.685	1.00	0.01
ATOM	3000	C	SER	A	329	13.324	-4.900	35.215	1.00	0.02
ATOM	3001	O	SER	A	329	13.844	-5.964	35.567	1.00	0.02
ATOM	3002	N	ILE	A	330	12.857	-4.688	33.998	1.00	0.01
ATOM	3004	CA	ILE	A	330	12.930	-5.723	32.962	1.00	0.00
ATOM	3005	CB	ILE	A	330	11.662	-5.673	32.114	1.00	0.01
ATOM	3006	CG2	ILE	A	330	10.451	-6.083	32.946	1.00	0.01
ATOM	3007	CG1	ILE	A	330	11.456	-4.287	31.511	1.00	0.02
ATOM	3008	CD1	ILE	A	330	10.201	-4.238	30.646	1.00	0.00
ATOM	3009	C	ILE	A	330	14.170	-5.524	32.092	1.00	0.01
ATOM	3010	O	ILE	A	330	14.637	-4.397	31.897	1.00	0.01
ATOM	3011	N	SER	A	331	14.740	-6.622	31.631	1.00	0.01
ATOM	3013	CA	SER	A	331	15.937	-6.517	30.790	1.00	0.00
ATOM	3014	CB	SER	A	331	17.164	-6.528	31.687	1.00	0.38
ATOM	3015	OG	SER	A	331	18.286	-6.315	30.846	1.00	0.92
ATOM	3016	C	SER	A	331	16.031	-7.657	29.782	1.00	0.00
ATOM	3017	O	SER	A	331	15.846	-8.829	30.131	1.00	0.01
ATOM	3018	N	ALA	A	332	16.368	-7.307	28.552	1.00	0.02
ATOM	3020	CA	ALA	A	332	16.466	-8.314	27.494	1.00	0.01
ATOM	3021	CB	ALA	A	332	15.182	-8.277	26.679	1.00	0.17
ATOM	3022	C	ALA	A	332	17.683	-8.130	26.585	1.00	0.01
ATOM	3023	O	ALA	A	332	17.896	-7.074	25.973	1.00	0.02
ATOM	3024	N	SER	A	333	18.492	-9.175	26.538	1.00	0.02
ATOM	3026	CA	SER	A	333	19.650	-9.212	25.635	1.00	0.02
ATOM	3027	CB	SER	A	333	20.804	-9.957	26.298	1.00	0.36
ATOM	3028	OG	SER	A	333	20.418	-11.313	26.472	1.00	1.04
ATOM	3029	C	SER	A	333	19.281	-9.904	24.325	1.00	0.02
ATOM	3030	O	SER	A	333	18.520	-10.878	24.311	1.00	0.01

Table III (cont.)

ATOM	3031	N	TYR	A	334	19.810	-9.379	23.234	1.00	0.00
ATOM	3033	CA	TYR	A	334	19.513	-9.914	21.898	1.00	0.01
ATOM	3034	CB	TYR	A	334	18.510	-9.005	21.194	1.00	0.01
ATOM	3035	CG	TYR	A	334	17.169	-8.855	21.903	1.00	0.01
ATOM	3036	CD1	TYR	A	334	16.270	-9.915	21.930	1.00	0.01
ATOM	3037	CE1	TYR	A	334	15.052	-9.775	22.583	1.00	0.01
ATOM	3038	CZ	TYR	A	334	14.740	-8.574	23.205	1.00	0.00
ATOM	3039	OH	TYR	A	334	13.541	-8.429	23.867	1.00	0.01
ATOM	3040	CE2	TYR	A	334	15.636	-7.516	23.178	1.00	0.01
ATOM	3041	CD2	TYR	A	334	16.851	-7.657	22.527	1.00	0.01
ATOM	3042	C	TYR	A	334	20.767	-10.002	21.036	1.00	0.01
ATOM	3043	O	TYR	A	334	21.439	-8.995	20.779	1.00	0.01
ATOM	3044	N	ASN	A	335	21.063	-11.202	20.573	1.00	0.01
ATOM	3046	CA	ASN	A	335	22.186	-11.373	19.652	1.00	0.01
ATOM	3047	CB	ASN	A	335	22.629	-12.831	19.652	1.00	0.26
ATOM	3048	CG	ASN	A	335	23.835	-13.005	18.736	1.00	0.35
ATOM	3049	OD1	ASN	A	335	23.683	-13.139	17.515	1.00	0.52
ATOM	3050	ND2	ASN	A	335	25.016	-12.899	19.318	1.00	0.87
ATOM	3053	C	ASN	A	335	21.755	-10.940	18.254	1.00	0.01
ATOM	3054	O	ASN	A	335	21.077	-11.684	17.532	1.00	0.01
ATOM	3055	N	LEU	A	336	22.375	-9.868	17.792	1.00	0.01
ATOM	3057	CA	LEU	A	336	21.956	-9.223	16.544	1.00	0.01
ATOM	3058	CB	LEU	A	336	22.514	-7.805	16.520	1.00	0.01
ATOM	3059	CG	LEU	A	336	21.987	-6.958	17.671	1.00	0.01
ATOM	3060	CD1	LEU	A	336	22.678	-5.599	17.697	1.00	0.01
ATOM	3061	CD2	LEU	A	336	20.472	-6.796	17.582	1.00	0.01
ATOM	3062	C	LEU	A	336	22.463	-9.964	15.317	1.00	0.01
ATOM	3063	O	LEU	A	336	21.785	-9.955	14.284	1.00	0.01
ATOM	3064	N	GLU	A	337	23.419	-10.849	15.532	1.00	0.01
ATOM	3066	CA	GLU	A	337	24.019	-11.609	14.439	1.00	0.01
ATOM	3067	CB	GLU	A	337	25.387	-12.045	14.937	1.00	0.13
ATOM	3068	CG	GLU	A	337	26.202	-12.823	13.918	1.00	1.05
ATOM	3069	CD	GLU	A	337	27.589	-12.964	14.512	1.00	0.89
ATOM	3070	OE1	GLU	A	337	28.180	-14.022	14.372	1.00	1.40
ATOM	3071	OE2	GLU	A	337	27.896	-12.098	15.329	1.00	0.86
ATOM	3072	C	GLU	A	337	23.167	-12.815	14.048	1.00	0.01
ATOM	3073	O	GLU	A	337	23.318	-13.346	12.942	1.00	0.01
ATOM	3074	N	THR	A	338	22.229	-13.179	14.906	1.00	0.01
ATOM	3076	CA	THR	A	338	21.265	-	14.568	1.00	0.01

Table III (cont.)

							14.229			
ATOM	3077	CB	THR	A	338	21.139	-15.195	15.741	1.00	0.22
ATOM	3078	OG1	THR	A	338	20.704	-14.465	16.881	1.00	0.83
ATOM	3079	CG2	THR	A	338	22.473	-15.854	16.073	1.00	0.78
ATOM	3080	C	THR	A	338	19.892	-13.646	14.238	1.00	0.01
ATOM	3081	O	THR	A	338	19.056	-14.333	13.639	1.00	0.01
ATOM	3082	N	ILE	A	339	19.695	-12.372	14.539	1.00	0.01
ATOM	3084	CA	ILE	A	339	18.391	-11.748	14.284	1.00	0.01
ATOM	3085	CB	ILE	A	339	18.102	-10.748	15.398	1.00	0.19
ATOM	3086	CG2	ILE	A	339	16.796	-10.018	15.118	1.00	0.33
ATOM	3087	CG1	ILE	A	339	18.042	-11.425	16.765	1.00	0.43
ATOM	3088	CD1	ILE	A	339	16.880	-12.407	16.865	1.00	0.67
ATOM	3089	C	ILE	A	339	18.363	-11.030	12.938	1.00	0.01
ATOM	3090	O	ILE	A	339	17.499	-11.303	12.093	1.00	0.01
ATOM	3091	N	LEU	A	340	19.419	-10.289	12.665	1.00	0.01
ATOM	3093	CA	LEU	A	340	19.487	-9.512	11.426	1.00	0.01
ATOM	3094	CB	LEU	A	340	20.616	-8.504	11.556	1.00	0.01
ATOM	3095	CG	LEU	A	340	20.352	-7.548	12.713	1.00	0.01
ATOM	3096	CD1	LEU	A	340	21.572	-6.681	12.990	1.00	0.01
ATOM	3097	CD2	LEU	A	340	19.114	-6.693	12.457	1.00	0.01
ATOM	3098	C	LEU	A	340	19.624	-10.296	10.102	1.00	0.01
ATOM	3099	O	LEU	A	340	19.003	-9.791	9.156	1.00	0.01
ATOM	3100	N	PRO	A	341	20.199	-11.500	9.987	1.00	0.01
ATOM	3101	CA	PRO	A	341	20.074	-12.210	8.702	1.00	0.01
ATOM	3102	CB	PRO	A	341	20.942	-13.425	8.813	1.00	0.39
ATOM	3103	CG	PRO	A	341	21.497	-13.522	10.219	1.00	0.63
ATOM	3104	CD	PRO	A	341	20.982	-12.297	10.948	1.00	0.66
ATOM	3105	C	PRO	A	341	18.642	-12.616	8.337	1.00	0.01
ATOM	3106	O	PRO	A	341	18.306	-12.529	7.150	1.00	0.01
ATOM	3107	N	LYS	A	342	17.752	-12.711	9.318	1.00	0.01
ATOM	3109	CA	LYS	A	342	16.348	-13.035	9.039	1.00	0.01
ATOM	3110	CB	LYS	A	342	15.712	-13.544	10.325	1.00	0.97
ATOM	3111	CG	LYS	A	342	16.524	-14.662	10.964	1.00	1.75

Table III (cont.)

ATOM	3112	CD	LYS	A	342	15.847	-15.142	12.241	1.00	2.93
ATOM	3113	CE	LYS	A	342	15.599	-13.977	13.193	1.00	3.48
ATOM	3114	NZ	LYS	A	342	14.897	-14.426	14.405	1.00	3.77
ATOM	3115	C	LYS	A	342	15.574	-11.796	8.584	1.00	0.01
ATOM	3116	O	LYS	A	342	14.480	-11.904	8.018	1.00	0.01
ATOM	3117	N	MET	A	343	16.172	-10.634	8.797	1.00	0.01
ATOM	3119	CA	MET	A	343	15.594	-9.369	8.350	1.00	0.01
ATOM	3120	CB	MET	A	343	15.740	-8.343	9.469	1.00	1.42
ATOM	3121	CG	MET	A	343	15.088	-8.823	10.762	1.00	2.03
ATOM	3122	SD	MET	A	343	13.348	-9.309	10.639	1.00	1.82
ATOM	3123	CE	MET	A	343	12.684	-7.810	9.878	1.00	2.49
ATOM	3124	C	MET	A	343	16.269	-8.851	7.079	1.00	0.01
ATOM	3125	O	MET	A	343	15.957	-7.746	6.620	1.00	0.00
ATOM	3126	N	GLY	A	344	17.237	-9.591	6.563	1.00	0.01
ATOM	3128	CA	GLY	A	344	17.883	-9.196	5.306	1.00	0.01
ATOM	3129	C	GLY	A	344	19.370	-8.887	5.460	1.00	0.01
ATOM	3130	O	GLY	A	344	20.141	-9.041	4.504	1.00	0.01
ATOM	3131	N	ILE	A	345	19.760	-8.444	6.644	1.00	0.01
ATOM	3133	CA	ILE	A	345	21.156	-8.078	6.921	1.00	0.01
ATOM	3134	CB	ILE	A	345	21.159	-7.123	8.109	1.00	0.01
ATOM	3135	CG2	ILE	A	345	22.529	-6.475	8.275	1.00	0.00
ATOM	3136	CG1	ILE	A	345	20.086	-6.054	7.943	1.00	0.01
ATOM	3137	CD1	ILE	A	345	20.083	-5.075	9.111	1.00	0.00
ATOM	3138	C	ILE	A	345	21.976	-9.320	7.271	1.00	0.00
ATOM	3139	O	ILE	A	345	22.186	-9.637	8.447	1.00	0.01
ATOM	3140	N	GLN	A	346	22.471	-9.992	6.247	1.00	0.00
ATOM	3142	CA	GLN	A	346	23.161	-11.269	6.443	1.00	0.01
ATOM	3143	CB	GLN	A	346	22.500	-12.262	5.500	1.00	1.21
ATOM	3144	CG	GLN	A	346	23.176	-13.625	5.548	1.00	1.87
ATOM	3145	CD	GLN	A	346	22.735	-14.438	4.339	1.00	2.20
ATOM	3146	OE1	GLN	A	346	21.841	-15.289	4.431	1.00	2.70
ATOM	3147	NE2	GLN	A	346	23.345	-14.135	3.205	1.00	2.46
ATOM	3150	C	GLN	A	346	24.640	-11.201	6.090	1.00	0.00
ATOM	3151	O	GLN	A	346	25.502	-11.688	6.842	1.00	0.01
ATOM	3152	N	ASN	A	347	24.938	-10.392	5.088	1.00	0.01
ATOM	3154	CA	ASN	A	347	26.273	-10.397	4.483	1.00	0.00
ATOM	3155	CB	ASN	A	347	26.212	-9.732	3.113	1.00	0.63
ATOM	3156	CG	ASN	A	347	25.547	-10.625	2.064	1.00	1.00
ATOM	3157	OD1	ASN	A	347	24.760	-11.536	2.362	1.00	1.77
ATOM	3158	ND2	ASN	A	347	25.894	-	0.820	1.00	1.70

Table III (cont.)

							10.349			
ATOM	3161	C	ASN	A	347	27.327	-9.696	5.322	1.00	0.01
ATOM	3162	O	ASN	A	347	28.491	-10.091	5.227	1.00	0.01
ATOM	3163	N	ALA	A	348	26.896	-8.925	6.309	1.00	0.01
ATOM	3165	CA	ALA	A	348	27.825	-8.229	7.205	1.00	0.01
ATOM	3166	CB	ALA	A	348	27.092	-7.043	7.822	1.00	0.19
ATOM	3167	C	ALA	A	348	28.345	-9.130	8.324	1.00	0.01
ATOM	3168	O	ALA	A	348	29.375	-8.827	8.939	1.00	0.00
ATOM	3169	N	PHE	A	349	27.681	-10.253	8.543	1.00	0.01
ATOM	3171	CA	PHE	A	349	28.155	-11.202	9.548	1.00	0.02
ATOM	3172	CB	PHE	A	349	26.947	-11.846	10.218	1.00	0.01
ATOM	3173	CG	PHE	A	349	25.980	-10.840	10.834	1.00	0.02
ATOM	3174	CD1	PHE	A	349	26.446	-9.880	11.723	1.00	0.01
ATOM	3175	CE1	PHE	A	349	25.569	-8.957	12.275	1.00	0.01
ATOM	3176	CZ	PHE	A	349	24.223	-8.998	11.944	1.00	0.00
ATOM	3177	CE2	PHE	A	349	23.755	-9.966	11.065	1.00	0.01
ATOM	3178	CD2	PHE	A	349	24.631	-10.888	10.511	1.00	0.00
ATOM	3179	C	PHE	A	349	28.996	-12.263	8.859	1.00	0.00
ATOM	3180	O	PHE	A	349	29.996	-12.742	9.402	1.00	0.02
ATOM	3181	N	ASP	A	350	28.658	-12.488	7.599	1.00	0.01
ATOM	3183	CA	ASP	A	350	29.393	-13.425	6.745	1.00	0.00
ATOM	3184	CB	ASP	A	350	28.670	-13.529	5.406	1.00	1.52
ATOM	3185	CG	ASP	A	350	27.237	-14.027	5.533	1.00	2.27
ATOM	3186	OD1	ASP	A	350	26.987	-14.857	6.399	1.00	2.78
ATOM	3187	OD2	ASP	A	350	26.428	-13.632	4.696	1.00	2.74
ATOM	3188	C	ASP	A	350	30.820	-12.944	6.481	1.00	0.01
ATOM	3189	O	ASP	A	350	31.122	-11.751	6.581	1.00	0.02
ATOM	3190	N	LYS	A	351	31.646	-13.860	5.996	1.00	0.02
ATOM	3192	CA	LYS	A	351	33.055	-13.558	5.674	1.00	0.01
ATOM	3193	CB	LYS	A	351	33.795	-14.881	5.543	1.00	0.65
ATOM	3194	CG	LYS	A	351	33.604	-15.760	6.772	1.00	1.13
ATOM	3195	CD	LYS	A	351	34.251	-17.123	6.564	1.00	1.37
ATOM	3196	CE	LYS	A	351	33.628	-17.836	5.368	1.00	2.60
ATOM	3197	NZ	LYS	A	351	34.266	-19.142	5.136	1.00	3.15
ATOM	3198	C	LYS	A	351	33.213	-12.806	4.350	1.00	0.02

Table III (cont.)

ATOM	3199	O	LYS	A	351	34.297	-12.309	4.023	1.00	0.01
ATOM	3200	N	ASN	A	352	32.114	-12.692	3.627	1.00	0.02
ATOM	3202	CA	ASN	A	352	32.049	-11.964	2.361	1.00	0.00
ATOM	3203	CB	ASN	A	352	31.173	-12.759	1.390	1.00	0.51
ATOM	3204	CG	ASN	A	352	29.869	-13.231	2.040	1.00	1.28
ATOM	3205	OD1	ASN	A	352	29.796	-14.333	2.595	1.00	1.84
ATOM	3206	ND2	ASN	A	352	28.858	-12.381	1.990	1.00	2.06
ATOM	3209	C	ASN	A	352	31.522	-10.537	2.541	1.00	0.00
ATOM	3210	O	ASN	A	352	30.997	-9.951	1.581	1.00	0.01
ATOM	3211	N	ALA	A	353	31.494	-10.066	3.777	1.00	0.01
ATOM	3213	CA	ALA	A	353	31.074	-8.692	4.047	1.00	0.01
ATOM	3214	CB	ALA	A	353	31.097	-8.473	5.551	1.00	0.01
ATOM	3215	C	ALA	A	353	31.997	-7.683	3.379	1.00	0.01
ATOM	3216	O	ALA	A	353	33.229	-7.781	3.429	1.00	0.02
ATOM	3217	N	ASP	A	354	31.385	-6.708	2.728	1.00	0.01
ATOM	3219	CA	ASP	A	354	32.164	-5.651	2.088	1.00	0.01
ATOM	3220	CB	ASP	A	354	31.396	-5.129	0.870	1.00	0.01
ATOM	3221	CG	ASP	A	354	32.212	-4.138	0.030	1.00	0.00
ATOM	3222	OD1	ASP	A	354	32.848	-3.267	0.615	1.00	0.01
ATOM	3223	OD2	ASP	A	354	32.008	-4.141	-1.174	1.00	0.00
ATOM	3224	C	ASP	A	354	32.385	-4.542	3.103	1.00	0.00
ATOM	3225	O	ASP	A	354	31.565	-3.630	3.230	1.00	0.01
ATOM	3226	N	PHE	A	355	33.507	-4.604	3.793	1.00	0.02
ATOM	3228	CA	PHE	A	355	33.843	-3.552	4.751	1.00	0.02
ATOM	3229	CB	PHE	A	355	34.107	-4.179	6.113	1.00	1.78
ATOM	3230	CG	PHE	A	355	32.846	-4.653	6.834	1.00	2.43
ATOM	3231	CD1	PHE	A	355	32.859	-5.839	7.555	1.00	3.08
ATOM	3232	CE1	PHE	A	355	31.718	-6.265	8.221	1.00	3.90
ATOM	3233	CZ	PHE	A	355	30.559	-5.504	8.164	1.00	4.07
ATOM	3234	CE2	PHE	A	355	30.542	-4.318	7.443	1.00	3.51
ATOM	3235	CD2	PHE	A	355	31.686	-3.893	6.779	1.00	2.73
ATOM	3236	C	PHE	A	355	35.046	-2.749	4.275	1.00	0.02
ATOM	3237	O	PHE	A	355	35.975	-2.488	5.052	1.00	0.02
ATOM	3238	N	SER	A	356	34.885	-2.144	3.107	1.00	0.02
ATOM	3240	CA	SER	A	356	35.978	-1.419	2.434	1.00	0.00
ATOM	3241	CB	SER	A	356	35.684	-1.364	0.940	1.00	0.01
ATOM	3242	OG	SER	A	356	34.507	-0.591	0.750	1.00	0.01
ATOM	3243	C	SER	A	356	36.196	0.009	2.949	1.00	0.02
ATOM	3244	O	SER	A	356	37.063	0.728	2.438	1.00	0.01
ATOM	3245	N	GLY	A	357	35.391	0.425	3.912	1.00	0.00
ATOM	3247	CA	GLY	A	357	35.604	1.702	4.590	1.00	0.01
ATOM	3248	C	GLY	A	357	36.279	1.465	5.937	1.00	0.02
ATOM	3249	O	GLY	A	357	36.934	2.363	6.484	1.00	0.02
ATOM	3250	N	ILE	A	358	36.160	0.241	6.429	1.00	0.00
ATOM	3252	CA	ILE	A	358	36.753	-0.120	7.716	1.00	0.01
ATOM	3253	CB	ILE	A	358	35.915	-1.222	8.354	1.00	1.15
ATOM	3254	CG2	ILE	A	358	36.415	-1.521	9.764	1.00	1.49
ATOM	3255	CG1	ILE	A	358	34.440	-0.854	8.382	1.00	1.60
ATOM	3256	CD1	ILE	A	358	33.617	-1.909	9.109	1.00	2.08

Table III (cont.)

ATOM	3257	C	ILE	A	358	38.158	-0.666	7.519	1.00	0.02
ATOM	3258	O	ILE	A	358	39.102	-0.216	8.178	1.00	0.02
ATOM	3259	N	ALA	A	359	38.280	-1.586	6.576	1.00	0.02
ATOM	3261	CA	ALA	A	359	39.550	-2.261	6.296	1.00	0.00
ATOM	3262	CB	ALA	A	359	39.821	-3.283	7.395	1.00	0.83
ATOM	3263	C	ALA	A	359	39.467	-2.976	4.953	1.00	0.02
ATOM	3264	O	ALA	A	359	39.356	-4.210	4.917	1.00	0.01
ATOM	3265	N	LYS	A	360	39.799	-2.242	3.903	1.00	0.00
ATOM	3267	CA	LYS	A	360	39.608	-2.681	2.507	1.00	0.00
ATOM	3268	CB	LYS	A	360	39.945	-1.487	1.618	1.00	1.13
ATOM	3269	CG	LYS	A	360	41.351	-0.963	1.906	1.00	1.56
ATOM	3270	CD	LYS	A	360	41.759	0.129	0.926	1.00	2.17
ATOM	3271	CE	LYS	A	360	40.773	1.289	0.948	1.00	3.04
ATOM	3272	NZ	LYS	A	360	41.170	2.337	-0.004	1.00	3.66
ATOM	3273	C	LYS	A	360	40.437	-3.877	2.012	1.00	0.02
ATOM	3274	O	LYS	A	360	40.140	-4.394	0.930	1.00	0.02
ATOM	3275	N	ARG	A	361	41.421	-4.340	2.765	1.00	0.02
ATOM	3277	CA	ARG	A	361	42.187	-5.507	2.324	1.00	0.00
ATOM	3278	CB	ARG	A	361	43.662	-5.131	2.299	1.00	1.38
ATOM	3279	CG	ARG	A	361	44.165	-4.694	3.668	1.00	1.86
ATOM	3280	CD	ARG	A	361	45.493	-3.965	3.534	1.00	2.43
ATOM	3281	NE	ARG	A	361	45.300	-2.722	2.770	1.00	3.31
ATOM	3282	CZ	ARG	A	361	46.256	-1.808	2.594	1.00	4.21
ATOM	3283	NH1	ARG	A	361	45.992	-0.690	1.914	1.00	5.21
ATOM	3284	NH2	ARG	A	361	47.469	-2.001	3.118	1.00	4.31
ATOM	3285	C	ARG	A	361	41.939	-6.728	3.211	1.00	0.02
ATOM	3286	O	ARG	A	361	42.483	-7.809	2.956	1.00	0.00
ATOM	3287	N	ASP	A	362	41.107	-6.562	4.227	1.00	0.02
ATOM	3289	CA	ASP	A	362	40.847	-7.655	5.171	1.00	0.01
ATOM	3290	CB	ASP	A	362	41.005	-7.113	6.592	1.00	0.80
ATOM	3291	CG	ASP	A	362	42.408	-6.547	6.824	1.00	0.66
ATOM	3292	OD1	ASP	A	362	43.357	-7.142	6.338	1.00	0.78
ATOM	3293	OD2	ASP	A	362	42.506	-5.501	7.457	1.00	1.43
ATOM	3294	C	ASP	A	362	39.432	-8.207	4.989	1.00	0.02
ATOM	3295	O	ASP	A	362	38.485	-7.445	4.769	1.00	0.02
ATOM	3296	N	SER	A	363	39.293	-9.522	5.072	1.00	0.01
ATOM	3298	CA	SER	A	363	37.955	-10.144	5.029	1.00	0.02
ATOM	3299	CB	SER	A	363	38.077	-11.595	4.580	1.00	0.34
ATOM	3300	OG	SER	A	363	38.580	-11.595	3.250	1.00	0.54
ATOM	3301	C	SER	A	363	37.296	-10.070	6.407	1.00	0.02
ATOM	3302	O	SER	A	363	37.486	-10.940	7.268	1.00	0.00
ATOM	3303	N	LEU	A	364	36.566	-8.987	6.610	1.00	0.01
ATOM	3305	CA	LEU	A	364	36.018	-8.664	7.926	1.00	0.01
ATOM	3306	CB	LEU	A	364	36.083	-7.147	8.066	1.00	0.00
ATOM	3307	CG	LEU	A	364	35.857	-6.672	9.495	1.00	0.02
ATOM	3308	CD1	LEU	A	364	36.971	-7.164	10.406	1.00	0.01
ATOM	3309	CD2	LEU	A	364	35.790	-5.153	9.540	1.00	0.01
ATOM	3310	C	LEU	A	364	34.586	-9.173	8.085	1.00	0.00
ATOM	3311	O	LEU	A	364	33.715	-8.941	7.243	1.00	0.00
ATOM	3312	N	GLN	A	365	34.374	-9.874	9.186	1.00	0.01
ATOM	3314	CA	GLN	A	365	33.063	-10.445	9.512	1.00	0.02
ATOM	3315	CB	GLN	A	365	33.195	-	9.376	1.00	0.93

Table III (cont.)

							11.960			
ATOM	3316	CG	GLN	A	365	34.513	-12.447	9.973	1.00	0.96
ATOM	3317	CD	GLN	A	365	34.684	-13.954	9.795	1.00	1.26
ATOM	3318	OE1	GLN	A	365	33.725	-14.728	9.900	1.00	1.74
ATOM	3319	NE2	GLN	A	365	35.906	-14.343	9.476	1.00	1.77
ATOM	3322	C	GLN	A	365	32.612	-10.062	10.924	1.00	0.01
ATOM	3323	O	GLN	A	365	33.414	-10.108	11.873	1.00	0.02
ATOM	3324	N	VAL	A	366	31.372	-9.605	11.042	1.00	0.02
ATOM	3326	CA	VAL	A	366	30.808	-9.330	12.373	1.00	0.02
ATOM	3327	CB	VAL	A	366	29.611	-8.391	12.278	1.00	0.05
ATOM	3328	CG1	VAL	A	366	29.051	-8.088	13.665	1.00	0.07
ATOM	3329	CG2	VAL	A	366	29.998	-7.092	11.582	1.00	0.09
ATOM	3330	C	VAL	A	366	30.427	-10.653	13.030	1.00	0.01
ATOM	3331	O	VAL	A	366	29.388	-11.264	12.747	1.00	0.01
ATOM	3332	N	SER	A	367	31.218	-10.967	14.038	1.00	0.01
ATOM	3334	CA	SER	A	367	31.284	-12.311	14.608	1.00	0.01
ATOM	3335	CB	SER	A	367	32.695	-12.811	14.376	1.00	0.02
ATOM	3336	OG	SER	A	367	33.550	-11.755	14.784	1.00	0.02
ATOM	3337	C	SER	A	367	30.928	-12.353	16.091	1.00	0.00
ATOM	3338	O	SER	A	367	31.261	-13.332	16.778	1.00	0.01
ATOM	3339	N	LYS	A	368	30.497	-11.208	16.600	1.00	0.01
ATOM	3341	CA	LYS	A	368	29.771	-11.178	17.877	1.00	0.01
ATOM	3342	CB	LYS	A	368	30.719	-11.360	19.055	1.00	0.01
ATOM	3343	CG	LYS	A	368	29.919	-11.731	20.299	1.00	0.01
ATOM	3344	CD	LYS	A	368	29.108	-12.999	20.048	1.00	0.01
ATOM	3345	CE	LYS	A	368	28.171	-13.322	21.206	1.00	0.01
ATOM	3346	NZ	LYS	A	368	28.916	-13.569	22.447	1.00	0.02
ATOM	3347	C	LYS	A	368	28.985	-9.875	18.041	1.00	0.02
ATOM	3348	O	LYS	A	368	29.441	-8.950	18.725	1.00	0.01
ATOM	3349	N	ALA	A	369	27.850	-9.782	17.369	1.00	0.01
ATOM	3351	CA	ALA	A	369	26.963	-8.618	17.546	1.00	0.01
ATOM	3352	CB	ALA	A	369	26.238	-8.345	16.235	1.00	0.01
ATOM	3353	C	ALA	A	369	25.949	-8.864	18.664	1.00	0.01
ATOM	3354	O	ALA	A	369	25.158	-9.812	18.592	1.00	0.02
ATOM	3355	N	THR	A	370	25.939	-7.993	19.662	1.00	0.01
ATOM	3357	CA	THR	A	370	25.101	-8.219	20.852	1.00	0.01
ATOM	3358	CB	THR	A	370	25.947	-8.954	21.890	1.00	0.48

Table III (cont.)

ATOM	3359	OG1	THR	A	370	26.430	-10.157	21.304	1.00	1.35
ATOM	3360	CG2	THR	A	370	25.143	-9.328	23.131	1.00	1.19
ATOM	3361	C	THR	A	370	24.538	-6.927	21.465	1.00	0.01
ATOM	3362	O	THR	A	370	25.275	-6.052	21.941	1.00	0.01
ATOM	3363	N	HIS	A	371	23.217	-6.866	21.486	1.00	0.01
ATOM	3365	CA	HIS	A	371	22.455	-5.767	22.092	1.00	0.01
ATOM	3366	CB	HIS	A	371	21.330	-5.439	21.104	1.00	0.01
ATOM	3367	CG	HIS	A	371	20.200	-4.573	21.621	1.00	0.01
ATOM	3368	ND1	HIS	A	371	20.198	-3.234	21.750	1.00	0.01
ATOM	3370	CE1	HIS	A	371	19.017	-2.838	22.261	1.00	0.01
ATOM	3371	NE2	HIS	A	371	18.262	-3.943	22.450	1.00	0.01
ATOM	3372	CD2	HIS	A	371	18.976	-5.020	22.056	1.00	0.01
ATOM	3373	C	HIS	A	371	21.887	-6.179	23.457	1.00	0.01
ATOM	3374	O	HIS	A	371	21.726	-7.377	23.718	1.00	0.01
ATOM	3375	N	LYS	A	372	21.692	-5.220	24.351	1.00	0.01
ATOM	3377	CA	LYS	A	372	20.961	-5.502	25.600	1.00	0.01
ATOM	3378	CB	LYS	A	372	21.890	-6.097	26.651	1.00	0.01
ATOM	3379	CG	LYS	A	372	21.111	-6.441	27.917	1.00	0.01
ATOM	3380	CD	LYS	A	372	22.006	-6.977	29.023	1.00	0.01
ATOM	3381	CE	LYS	A	372	21.187	-7.286	30.270	1.00	0.01
ATOM	3382	NZ	LYS	A	372	22.038	-7.707	31.393	1.00	0.00
ATOM	3383	C	LYS	A	372	20.295	-4.252	26.174	1.00	0.01
ATOM	3384	O	LYS	A	372	20.979	-3.322	26.625	1.00	0.01
ATOM	3385	N	ALA	A	373	18.972	-4.272	26.212	1.00	0.02
ATOM	3387	CA	ALA	A	373	18.209	-3.152	26.778	1.00	0.01
ATOM	3388	CB	ALA	A	373	17.019	-2.865	25.872	1.00	0.01
ATOM	3389	C	ALA	A	373	17.735	-3.444	28.206	1.00	0.01
ATOM	3390	O	ALA	A	373	17.267	-4.549	28.512	1.00	0.01
ATOM	3391	N	VAL	A	374	17.925	-2.470	29.083	1.00	0.01
ATOM	3393	CA	VAL	A	374	17.524	-2.612	30.496	1.00	0.01
ATOM	3394	CB	VAL	A	374	18.783	-2.646	31.364	1.00	0.01
ATOM	3395	CG1	VAL	A	374	18.454	-3.123	32.775	1.00	0.01
ATOM	3396	CG2	VAL	A	374	19.876	-3.526	30.769	1.00	0.01
ATOM	3397	C	VAL	A	374	16.649	-1.435	30.951	1.00	0.01
ATOM	3398	O	VAL	A	374	17.059	-0.273	30.841	1.00	0.01
ATOM	3399	N	LEU	A	375	15.489	-1.738	31.512	1.00	0.02
ATOM	3401	CA	LEU	A	375	14.565	-0.695	31.983	1.00	0.01
ATOM	3402	CB	LEU	A	375	13.288	-0.778	31.165	1.00	0.01
ATOM	3403	CG	LEU	A	375	12.297	0.324	31.521	1.00	0.01
ATOM	3404	CD1	LEU	A	375	12.882	1.700	31.229	1.00	0.01
ATOM	3405	CD2	LEU	A	375	10.991	0.130	30.767	1.00	0.00
ATOM	3406	C	LEU	A	375	14.170	-0.871	33.443	1.00	0.01
ATOM	3407	O	LEU	A	375	13.437	-1.802	33.796	1.00	0.02
ATOM	3408	N	ASP	A	376	14.540	0.096	34.262	1.00	0.02
ATOM	3410	CA	ASP	A	376	14.090	0.092	35.653	1.00	0.02
ATOM	3411	CB	ASP	A	376	15.157	0.722	36.539	1.00	0.48
ATOM	3412	CG	ASP	A	376	14.646	0.786	37.978	1.00	1.01
ATOM	3413	OD1	ASP	A	376	14.721	-0.232	38.650	1.00	1.53
ATOM	3414	OD2	ASP	A	376	14.109	1.826	38.344	1.00	1.55
ATOM	3415	C	ASP	A	376	12.779	0.859	35.806	1.00	0.01
ATOM	3416	O	ASP	A	376	12.756	2.099	35.767	1.00	0.02
ATOM	3417	N	VAL	A	377	11.702	0.116	36.010	1.00	0.01
ATOM	3419	CA	VAL	A	377	10.405	0.746	36.276	1.00	0.01
ATOM	3420	CB	VAL	A	377	9.297	-0.111	35.676	1.00	0.54
ATOM	3421	CG1	VAL	A	377	7.930	0.537	35.872	1.00	0.52
ATOM	3422	CG2	VAL	A	377	9.551	-0.371	34.197	1.00	0.68
ATOM	3423	C	VAL	A	377	10.184	0.903	37.779	1.00	0.02

Table III (cont.)

ATOM	3424	O	VAL	A	377	9.720	-0.020	38.459	1.00	0.00
ATOM	3425	N	SER	A	378	10.590	2.055	38.282	1.00	0.01
ATOM	3427	CA	SER	A	378	10.411	2.405	39.699	1.00	0.02
ATOM	3428	CB	SER	A	378	11.661	3.126	40.188	1.00	0.91
ATOM	3429	OG	SER	A	378	11.816	4.305	39.406	1.00	1.28
ATOM	3430	C	SER	A	378	9.200	3.317	39.861	1.00	0.00
ATOM	3431	O	SER	A	378	8.473	3.549	38.890	1.00	0.01
ATOM	3432	N	GLU	A	379	8.933	3.762	41.081	1.00	0.02
ATOM	3434	CA	GLU	A	379	7.850	4.742	41.287	1.00	0.02
ATOM	3435	CB	GLU	A	379	7.299	4.673	42.710	1.00	0.02
ATOM	3436	CG	GLU	A	379	6.699	3.326	43.083	1.00	0.02
ATOM	3437	CD	GLU	A	379	7.621	2.653	44.083	1.00	0.02
ATOM	3438	OE1	GLU	A	379	8.796	3.005	44.070	1.00	0.02
ATOM	3439	OE2	GLU	A	379	7.165	1.780	44.802	1.00	0.02
ATOM	3440	C	GLU	A	379	8.405	6.144	41.093	1.00	0.00
ATOM	3441	O	GLU	A	379	7.702	7.072	40.671	1.00	0.02
ATOM	3442	N	GLU	A	380	9.660	6.274	41.489	1.00	0.01
ATOM	3444	CA	GLU	A	380	10.451	7.489	41.291	1.00	0.00
ATOM	3445	CB	GLU	A	380	10.535	8.262	42.607	1.00	1.77
ATOM	3446	CG	GLU	A	380	9.195	8.834	43.055	1.00	2.64
ATOM	3447	CD	GLU	A	380	9.342	9.500	44.420	1.00	3.00
ATOM	3448	OE1	GLU	A	380	9.953	8.886	45.286	1.00	3.53
ATOM	3449	OE2	GLU	A	380	8.737	10.548	44.608	1.00	3.27
ATOM	3450	C	GLU	A	380	11.858	7.081	40.876	1.00	0.02
ATOM	3451	O	GLU	A	380	12.452	6.198	41.508	1.00	0.02
ATOM	3452	N	GLY	A	381	12.322	7.613	39.759	1.00	0.02
ATOM	3454	CA	GLY	A	381	13.704	7.367	39.336	1.00	0.02
ATOM	3455	C	GLY	A	381	14.645	8.022	40.337	1.00	0.01
ATOM	3456	O	GLY	A	381	15.354	7.349	41.094	1.00	0.02
ATOM	3457	N	THR	A	382	14.639	9.342	40.330	1.00	0.01
ATOM	3459	CA	THR	A	382	15.374	10.092	41.346	1.00	0.01
ATOM	3460	CB	THR	A	382	15.537	11.538	40.880	1.00	0.02
ATOM	3461	OG1	THR	A	382	16.095	12.288	41.953	1.00	0.01
ATOM	3462	CG2	THR	A	382	14.199	12.173	40.517	1.00	0.02
ATOM	3463	C	THR	A	382	14.621	10.051	42.671	1.00	0.00
ATOM	3464	O	THR	A	382	13.390	9.952	42.703	1.00	0.02
ATOM	3465	N	GLU	A	383	15.377	10.089	43.756	1.00	0.01
ATOM	3467	CA	GLU	A	383	14.787	10.186	45.091	1.00	0.01
ATOM	3468	CB	GLU	A	383	15.725	9.519	46.089	1.00	0.02
ATOM	3469	CG	GLU	A	383	15.867	8.028	45.806	1.00	0.00
ATOM	3470	CD	GLU	A	383	16.883	7.415	46.763	1.00	0.01
ATOM	3471	OE1	GLU	A	383	18.064	7.506	46.455	1.00	0.02
ATOM	3472	OE2	GLU	A	383	16.468	6.881	47.781	1.00	0.01
ATOM	3473	C	GLU	A	383	14.521	11.633	45.523	1.00	0.01
ATOM	3474	O	GLU	A	383	14.041	11.842	46.642	1.00	0.01
ATOM	3475	N	ALA	A	384	14.842	12.614	44.689	1.00	0.01
ATOM	3477	CA	ALA	A	384	14.536	14.000	45.044	1.00	0.01
ATOM	3478	CB	ALA	A	384	15.301	14.930	44.110	1.00	0.01
ATOM	3479	C	ALA	A	384	13.039	14.246	44.909	1.00	0.01
ATOM	3480	O	ALA	A	384	12.393	13.719	43.996	1.00	0.02
ATOM	3481	N	THR	A	385	12.506	15.026	45.832	1.00	0.01
ATOM	3483	CA	THR	A	385	11.069	15.321	45.844	1.00	0.01
ATOM	3484	CB	THR	A	385	10.739	16.039	47.151	1.00	0.38
ATOM	3485	OG1	THR	A	385	11.064	15.161	48.221	1.00	1.48
ATOM	3486	CG2	THR	A	385	9.258	16.388	47.268	1.00	1.35
ATOM	3487	C	THR	A	385	10.675	16.184	44.648	1.00	0.02
ATOM	3488	O	THR	A	385	11.220	17.273	44.436	1.00	0.01
ATOM	3489	N	ALA	A	386	9.765	15.650	43.850	1.00	0.00

Table III (cont.)

ATOM	3491	CA	ALA	A	386	9.233	16.371	42.691	1.00	0.02
ATOM	3492	CB	ALA	A	386	8.398	15.407	41.855	1.00	0.42
ATOM	3493	C	ALA	A	386	8.369	17.551	43.126	1.00	0.03
ATOM	3494	O	ALA	A	386	7.949	17.640	44.287	1.00	0.02
ATOM	3495	N	ALA	A	387	8.167	18.475	42.201	1.00	0.01
ATOM	3497	CA	ALA	A	387	7.315	19.643	42.456	1.00	0.01
ATOM	3498	CB	ALA	A	387	7.267	20.502	41.198	1.00	0.02
ATOM	3499	C	ALA	A	387	5.903	19.213	42.841	1.00	0.01
ATOM	3500	O	ALA	A	387	5.370	18.228	42.314	1.00	0.02
ATOM	3501	N	THR	A	388	5.314	19.953	43.764	1.00	0.02
ATOM	3503	CA	THR	A	388	3.986	19.603	44.282	1.00	0.01
ATOM	3504	CB	THR	A	388	3.830	20.215	45.670	1.00	0.52
ATOM	3505	OG1	THR	A	388	4.892	19.727	46.479	1.00	0.64
ATOM	3506	CG2	THR	A	388	2.511	19.810	46.324	1.00	0.69
ATOM	3507	C	THR	A	388	2.866	20.085	43.362	1.00	0.02
ATOM	3508	O	THR	A	388	2.391	21.223	43.457	1.00	0.01
ATOM	3509	N	THR	A	389	2.504	19.221	42.431	1.00	0.01
ATOM	3511	CA	THR	A	389	1.383	19.495	41.527	1.00	0.02
ATOM	3512	CB	THR	A	389	1.577	18.714	40.233	1.00	0.16
ATOM	3513	OG1	THR	A	389	1.515	17.323	40.528	1.00	0.18
ATOM	3514	CG2	THR	A	389	2.927	19.015	39.592	1.00	0.12
ATOM	3515	C	THR	A	389	0.072	19.085	42.186	1.00	0.02
ATOM	3516	O	THR	A	389	0.004	18.073	42.891	1.00	0.02
ATOM	3517	N	THR	A	390	-0.958	19.883	41.971	1.00	0.01
ATOM	3519	CA	THR	A	390	-2.260	19.577	42.572	1.00	0.02
ATOM	3520	CB	THR	A	390	-2.500	20.548	43.722	1.00	0.38
ATOM	3521	OG1	THR	A	390	-1.396	20.444	44.612	1.00	1.27
ATOM	3522	CG2	THR	A	390	-3.772	20.210	44.494	1.00	1.29
ATOM	3523	C	THR	A	390	-3.383	19.680	41.545	1.00	0.01
ATOM	3524	O	THR	A	390	-3.969	20.749	41.338	1.00	0.02
ATOM	3525	N	LYS	A	391	-3.640	18.572	40.874	1.00	0.02
ATOM	3527	CA	LYS	A	391	-4.725	18.537	39.890	1.00	0.01
ATOM	3528	CB	LYS	A	391	-4.297	17.698	38.695	1.00	0.84
ATOM	3529	CG	LYS	A	391	-3.093	18.351	38.027	1.00	1.32
ATOM	3530	CD	LYS	A	391	-2.706	17.653	36.732	1.00	2.13
ATOM	3531	CE	LYS	A	391	-1.480	18.312	36.110	1.00	2.60
ATOM	3532	NZ	LYS	A	391	-0.340	18.271	37.038	1.00	3.28
ATOM	3533	C	LYS	A	391	-6.011	18.011	40.516	1.00	0.02
ATOM	3534	O	LYS	A	391	-6.000	17.074	41.322	1.00	0.01
ATOM	3535	N	PHE	A	392	-7.107	18.653	40.155	1.00	0.01
ATOM	3537	CA	PHE	A	392	-8.408	18.332	40.749	1.00	0.01
ATOM	3538	CB	PHE	A	392	-9.331	19.528	40.552	1.00	0.12
ATOM	3539	CG	PHE	A	392	-8.787	20.807	41.183	1.00	0.14
ATOM	3540	CD1	PHE	A	392	-8.513	21.914	40.390	1.00	0.22
ATOM	3541	CE1	PHE	A	392	-8.010	23.074	40.966	1.00	0.31
ATOM	3542	CZ	PHE	A	392	-7.782	23.126	42.336	1.00	0.36
ATOM	3543	CE2	PHE	A	392	-8.058	22.020	43.128	1.00	0.33
ATOM	3544	CD2	PHE	A	392	-8.560	20.861	42.552	1.00	0.20
ATOM	3545	C	PHE	A	392	-9.025	17.075	40.146	1.00	0.02
ATOM	3546	O	PHE	A	392	-9.271	16.983	38.937	1.00	0.02
ATOM	3547	N	ILE	A	393	-9.234	16.102	41.016	1.00	0.02
ATOM	3549	CA	ILE	A	393	-9.840	14.829	40.625	1.00	0.02
ATOM	3550	CB	ILE	A	393	-9.109	13.720	41.379	1.00	0.02
ATOM	3551	CG2	ILE	A	393	-9.669	12.341	41.044	1.00	0.00
ATOM	3552	CG1	ILE	A	393	-7.618	13.771	41.066	1.00	0.02
ATOM	3553	CD1	ILE	A	393	-6.851	12.724	41.862	1.00	0.00
ATOM	3554	C	ILE	A	393	-11.330	14.807	40.954	1.00	0.02

Table III (cont.)

ATOM	3555	O	ILE	A	393	-11.736	15.082	42.089	1.00	0.02
ATOM	3556	N	VAL	A	394	-12.137	14.553	39.937	1.00	0.02
ATOM	3558	CA	VAL	A	394	-13.579	14.400	40.147	1.00	0.02
ATOM	3559	CB	VAL	A	394	-14.274	14.489	38.787	1.00	1.05
ATOM	3560	CG1	VAL	A	394	-15.768	14.192	38.854	1.00	1.37
ATOM	3561	CG2	VAL	A	394	-14.052	15.872	38.188	1.00	1.35
ATOM	3562	C	VAL	A	394	-13.848	13.075	40.863	1.00	0.02
ATOM	3563	O	VAL	A	394	-13.339	12.021	40.472	1.00	0.00
ATOM	3564	N	ARG	A	395	-14.678	13.150	41.893	1.00	0.02
ATOM	3566	CA	ARG	A	395	-14.955	12.017	42.792	1.00	0.02
ATOM	3567	CB	ARG	A	395	-15.414	12.644	44.108	1.00	1.17
ATOM	3568	CG	ARG	A	395	-15.493	11.662	45.273	1.00	1.69
ATOM	3569	CD	ARG	A	395	-16.026	12.350	46.524	1.00	2.28
ATOM	3570	NE	ARG	A	395	-17.365	12.912	46.275	1.00	2.83
ATOM	3571	CZ	ARG	A	395	-17.679	14.191	46.492	1.00	3.34
ATOM	3572	NH1	ARG	A	395	-16.753	15.040	46.945	1.00	3.83
ATOM	3573	NH2	ARG	A	395	-18.915	14.626	46.237	1.00	3.68
ATOM	3574	C	ARG	A	395	-16.021	11.035	42.266	1.00	0.02
ATOM	3575	O	ARG	A	395	-16.340	10.047	42.939	1.00	0.02
ATOM	3576	N	SER	A	396	-16.547	11.286	41.077	1.00	0.01
ATOM	3578	CA	SER	A	396	-17.573	10.408	40.497	1.00	0.01
ATOM	3579	CB	SER	A	396	-18.008	10.956	39.140	1.00	0.02
ATOM	3580	OG	SER	A	396	-16.889	10.942	38.261	1.00	0.00
ATOM	3581	C	SER	A	396	-17.044	8.988	40.324	1.00	0.02
ATOM	3582	O	SER	A	396	-15.959	8.777	39.774	1.00	0.01
ATOM	3583	N	LYS	A	397	-17.903	8.025	40.616	1.00	0.01
ATOM	3585	CA	LYS	A	397	-17.504	6.608	40.597	1.00	0.01
ATOM	3586	CB	LYS	A	397	-18.483	5.845	41.476	1.00	0.53
ATOM	3587	CG	LYS	A	397	-18.443	6.404	42.894	1.00	0.99
ATOM	3588	CD	LYS	A	397	-	5.717	43.811	1.00	1.27

Table III (cont.)

						19.445				
ATOM	3589	CE	LYS	A	397	-19.381	6.301	45.218	1.00	1.17
ATOM	3590	NZ	LYS	A	397	-19.656	7.748	45.199	1.00	1.92
ATOM	3591	C	LYS	A	397	-17.456	5.995	39.195	1.00	0.02
ATOM	3592	O	LYS	A	397	-17.020	4.854	39.020	1.00	0.02
ATOM	3593	N	ASP	A	398	-17.852	6.773	38.200	1.00	0.53
ATOM	3595	CA	ASP	A	398	-17.694	6.369	36.803	1.00	1.04
ATOM	3596	CB	ASP	A	398	-18.868	6.954	36.019	1.00	1.51
ATOM	3597	CG	ASP	A	398	-18.826	6.533	34.554	1.00	1.90
ATOM	3598	OD1	ASP	A	398	-18.447	7.362	33.738	1.00	2.32
ATOM	3599	OD2	ASP	A	398	-19.301	5.443	34.265	1.00	2.30
ATOM	3600	C	ASP	A	398	-16.367	6.900	36.246	1.00	1.10
ATOM	3601	O	ASP	A	398	-15.881	6.413	35.218	1.00	1.33
ATOM	3602	N	GLY	A	399	-15.729	7.791	36.992	1.00	0.35
ATOM	3604	CA	GLY	A	399	-14.472	8.400	36.545	1.00	0.43
ATOM	3605	C	GLY	A	399	-13.299	7.483	36.865	1.00	0.38
ATOM	3606	O	GLY	A	399	-12.968	6.607	36.055	1.00	0.43
ATOM	3607	N	PRO	A	400	-12.657	7.729	38.000	1.00	0.02
ATOM	3608	CA	PRO	A	400	-11.593	6.852	38.509	1.00	0.00
ATOM	3609	CB	PRO	A	400	-11.054	7.548	39.717	1.00	0.02
ATOM	3610	CG	PRO	A	400	-11.911	8.768	40.023	1.00	0.03
ATOM	3611	CD	PRO	A	400	-12.932	8.851	38.902	1.00	0.03
ATOM	3612	C	PRO	A	400	-12.127	5.475	38.879	1.00	0.01
ATOM	3613	O	PRO	A	400	-12.521	5.237	40.026	1.00	0.00
ATOM	3614	N	SER	A	401	-12.080	4.568	37.919	1.00	0.02
ATOM	3616	CA	SER	A	401	-12.717	3.268	38.096	1.00	0.01
ATOM	3617	CB	SER	A	401	-13.842	3.213	37.071	1.00	2.33
ATOM	3618	OG	SER	A	401	-14.658	4.361	37.292	1.00	3.03
ATOM	3619	C	SER	A	401	-11.770	2.090	37.914	1.00	0.02
ATOM	3620	O	SER	A	401	-10.675	2.214	37.356	1.00	0.01

Table III (cont.)

ATOM	3621	N	TYR	A	402	-12.326	0.933	38.231	1.00	1.42
ATOM	3623	CA	TYR	A	402	-11.639	-0.367	38.268	1.00	1.57
ATOM	3624	CB	TYR	A	402	-12.601	-1.427	38.863	1.00	1.62
ATOM	3625	CG	TYR	A	402	-14.106	-1.543	38.474	1.00	2.37
ATOM	3626	CD1	TYR	A	402	-14.922	-2.337	39.277	1.00	3.23
ATOM	3627	CE1	TYR	A	402	-16.272	-2.486	38.985	1.00	4.33
ATOM	3628	CZ	TYR	A	402	-16.815	-1.847	37.882	1.00	4.54
ATOM	3629	OH	TYR	A	402	-18.149	-2.013	37.577	1.00	5.70
ATOM	3630	CE2	TYR	A	402	-16.013	-1.065	37.065	1.00	3.73
ATOM	3631	CD2	TYR	A	402	-14.663	-0.922	37.358	1.00	2.65
ATOM	3632	C	TYR	A	402	-10.998	-0.872	36.963	1.00	1.61
ATOM	3633	O	TYR	A	402	-9.774	-0.749	36.800	1.00	2.21
ATOM	3634	N	PHE	A	403	-11.818	-1.232	35.982	1.00	1.32
ATOM	3636	CA	PHE	A	403	-11.365	-2.043	34.842	1.00	1.54
ATOM	3637	CB	PHE	A	403	-12.592	-2.504	34.059	1.00	1.10
ATOM	3638	CG	PHE	A	403	-13.556	-3.460	34.757	1.00	1.20
ATOM	3639	CD1	PHE	A	403	-14.908	-3.425	34.434	1.00	1.54
ATOM	3640	CE1	PHE	A	403	-15.794	-4.301	35.048	1.00	2.04
ATOM	3641	CZ	PHE	A	403	-15.324	-5.218	35.978	1.00	2.06
ATOM	3642	CE2	PHE	A	403	-13.972	-5.270	36.291	1.00	1.68
ATOM	3643	CD2	PHE	A	403	-13.086	-4.394	35.674	1.00	1.35
ATOM	3644	C	PHE	A	403	-10.458	-1.342	33.840	1.00	1.40
ATOM	3645	O	PHE	A	403	-9.673	-2.022	33.171	1.00	2.11
ATOM	3646	N	THR	A	404	-10.380	-0.022	33.889	1.00	1.47
ATOM	3648	CA	THR	A	404	-9.645	0.688	32.838	1.00	1.83
ATOM	3649	CB	THR	A	404	-10.219	2.093	32.686	1.00	1.26
ATOM	3650	OG1	THR	A	404	-9.975	2.812	33.891	1.00	1.46
ATOM	3651	CG2	THR	A	404	-11.724	2.058	32.432	1.00	2.05
ATOM	3652	C	THR	A	404	-8.152	0.792	33.122	1.00	1.32
ATOM	3653	O	THR	A	404	-7.371	1.044	32.200	1.00	1.45
ATOM	3654	N	VAL	A	405	-7.747	0.528	34.352	1.00	0.00
ATOM	3656	CA	VAL	A	405	-6.363	0.806	34.721	1.00	0.02
ATOM	3657	CB	VAL	A	405	-6.383	2.110	35.488	1.00	0.02
ATOM	3658	CG1	VAL	A	405	-6.272	3.287	34.531	1.00	0.02
ATOM	3659	CG2	VAL	A	405	-7.660	2.182	36.311	1.00	0.02

Table III (cont.)

ATOM	3660	C	VAL	A	405	-5.687	-0.287	35.537	1.00	0.01
ATOM	3661	O	VAL	A	405	-4.657	-0.029	36.177	1.00	0.00
ATOM	3662	N	SER	A	406	-6.268	-1.473	35.546	1.00	0.02
ATOM	3664	CA	SER	A	406	-5.611	-2.602	36.206	1.00	0.02
ATOM	3665	CB	SER	A	406	-6.655	-3.585	36.743	1.00	2.03
ATOM	3666	OG	SER	A	406	-7.513	-3.997	35.685	1.00	2.68
ATOM	3667	C	SER	A	406	-4.638	-3.287	35.242	1.00	0.02
ATOM	3668	O	SER	A	406	-5.017	-4.174	34.471	1.00	0.01
ATOM	3669	N	PHE	A	407	-3.364	-2.958	35.384	1.00	0.02
ATOM	3671	CA	PHE	A	407	-2.322	-3.488	34.494	1.00	0.02
ATOM	3672	CB	PHE	A	407	-1.268	-2.413	34.235	1.00	0.01
ATOM	3673	CG	PHE	A	407	-1.739	-1.291	33.311	1.00	0.02
ATOM	3674	CD1	PHE	A	407	-2.349	-0.155	33.828	1.00	0.02
ATOM	3675	CE1	PHE	A	407	-2.782	0.851	32.974	1.00	0.02
ATOM	3676	CZ	PHE	A	407	-2.598	0.725	31.603	1.00	0.02
ATOM	3677	CE2	PHE	A	407	-1.977	-0.405	31.087	1.00	0.00
ATOM	3678	CD2	PHE	A	407	-1.548	-1.412	31.941	1.00	0.01
ATOM	3679	C	PHE	A	407	-1.682	-4.760	35.045	1.00	0.02
ATOM	3680	O	PHE	A	407	-0.462	-4.949	34.979	1.00	0.02
ATOM	3681	N	ASN	A	408	-2.517	-5.611	35.619	1.00	0.02
ATOM	3683	CA	ASN	A	408	-2.054	-6.901	36.120	1.00	0.02
ATOM	3684	CB	ASN	A	408	-2.829	-7.317	37.375	1.00	0.02
ATOM	3685	CG	ASN	A	408	-4.294	-7.673	37.106	1.00	0.01
ATOM	3686	OD1	ASN	A	408	-5.030	-6.943	36.432	1.00	0.01
ATOM	3687	ND2	ASN	A	408	-4.709	-8.787	37.681	1.00	0.02
ATOM	3690	C	ASN	A	408	-2.170	-7.944	35.014	1.00	0.02
ATOM	3691	O	ASN	A	408	-1.639	-9.047	35.153	1.00	0.00
ATOM	3692	N	ARG	A	409	-2.855	-7.619	33.932	1.00	0.00
ATOM	3694	CA	ARG	A	409	-2.766	-8.471	32.743	1.00	0.01
ATOM	3695	CB	ARG	A	409	-4.057	-8.395	31.946	1.00	1.08
ATOM	3696	CG	ARG	A	409	-5.240	-8.876	32.774	1.00	1.16
ATOM	3697	CD	ARG	A	409	-6.500	-8.955	31.924	1.00	1.61
ATOM	3698	NE	ARG	A	409	-6.792	-7.655	31.304	1.00	1.42
ATOM	3699	CZ	ARG	A	409	-8.026	-7.155	31.217	1.00	1.93
ATOM	3700	NH1	ARG	A	409	-9.060	-7.845	31.703	1.00	2.76
ATOM	3701	NH2	ARG	A	409	-8.225	-5.967	30.641	1.00	2.23
ATOM	3702	C	ARG	A	409	-1.585	-8.014	31.893	1.00	0.00
ATOM	3703	O	ARG	A	409	-1.125	-6.876	32.038	1.00	0.01
ATOM	3704	N	THR	A	410	-1.078	-8.921	31.074	1.00	0.01
ATOM	3706	CA	THR	A	410	0.062	-8.630	30.187	1.00	0.01
ATOM	3707	CB	THR	A	410	0.301	-9.867	29.326	1.00	0.83
ATOM	3708	OG1	THR	A	410	0.808	-10.886	30.181	1.00	1.17
ATOM	3709	CG2	THR	A	410	1.328	-9.629	28.222	1.00	1.37
ATOM	3710	C	THR	A	410	-0.176	-7.399	29.309	1.00	0.01
ATOM	3711	O	THR	A	410	-1.183	-7.305	28.596	1.00	0.01
ATOM	3712	N	PHE	A	411	0.744	-6.451	29.403	1.00	0.01
ATOM	3714	CA	PHE	A	411	0.617	-5.191	28.656	1.00	0.01
ATOM	3715	CB	PHE	A	411	0.284	-4.049	29.619	1.00	0.01
ATOM	3716	CG	PHE	A	411	1.295	-3.780	30.733	1.00	0.01
ATOM	3717	CD1	PHE	A	411	2.346	-2.897	30.519	1.00	0.01
ATOM	3718	CE1	PHE	A	411	3.263	-2.650	31.531	1.00	0.00
ATOM	3719	CZ	PHE	A	411	3.126	-3.277	32.761	1.00	0.01
ATOM	3720	CE2	PHE	A	411	2.068	-4.147	32.981	1.00	0.01
ATOM	3721	CD2	PHE	A	411	1.150	-4.394	31.970	1.00	0.00
ATOM	3722	C	PHE	A	411	1.860	-4.851	27.829	1.00	0.00
ATOM	3723	O	PHE	A	411	2.999	-5.206	28.160	1.00	0.02
ATOM	3724	N	LEU	A	412	1.605	-4.136	26.747	1.00	0.00

Table III (cont.)

ATOM	3726	CA	LEU	A	412	2.650	-3.710	25.810	1.00	0.01
ATOM	3727	CB	LEU	A	412	1.984	-3.656	24.432	1.00	0.51
ATOM	3728	CG	LEU	A	412	2.939	-3.528	23.245	1.00	0.86
ATOM	3729	CD1	LEU	A	412	2.345	-4.205	22.018	1.00	1.15
ATOM	3730	CD2	LEU	A	412	3.308	-2.081	22.925	1.00	0.92
ATOM	3731	C	LEU	A	412	3.213	-2.348	26.222	1.00	0.01
ATOM	3732	O	LEU	A	412	2.461	-1.415	26.530	1.00	0.01
ATOM	3733	N	MET	A	413	4.531	-2.250	26.239	1.00	0.01
ATOM	3735	CA	MET	A	413	5.195	-0.983	26.574	1.00	0.01
ATOM	3736	CB	MET	A	413	6.310	-1.226	27.579	1.00	1.42
ATOM	3737	CG	MET	A	413	5.775	-1.694	28.923	1.00	0.91
ATOM	3738	SD	MET	A	413	7.002	-1.688	30.246	1.00	1.58
ATOM	3739	CE	MET	A	413	7.448	0.062	30.175	1.00	1.14
ATOM	3740	C	MET	A	413	5.794	-0.307	25.345	1.00	0.01
ATOM	3741	O	MET	A	413	6.388	-0.960	24.477	1.00	0.01
ATOM	3742	N	MET	A	414	5.672	1.008	25.312	1.00	0.00
ATOM	3744	CA	MET	A	414	6.255	1.792	24.217	1.00	0.01
ATOM	3745	CB	MET	A	414	5.197	1.954	23.136	1.00	0.42
ATOM	3746	CG	MET	A	414	5.704	2.789	21.970	1.00	1.17
ATOM	3747	SD	MET	A	414	4.608	2.810	20.538	1.00	1.20
ATOM	3748	CE	MET	A	414	3.065	3.254	21.366	1.00	1.92
ATOM	3749	C	MET	A	414	6.756	3.160	24.681	1.00	0.01
ATOM	3750	O	MET	A	414	5.983	4.113	24.830	1.00	0.00
ATOM	3751	N	ILE	A	415	8.056	3.254	24.884	1.00	0.01
ATOM	3753	CA	ILE	A	415	8.657	4.526	25.303	1.00	0.01
ATOM	3754	CB	ILE	A	415	9.842	4.231	26.216	1.00	0.24
ATOM	3755	CG2	ILE	A	415	10.545	5.519	26.637	1.00	0.37
ATOM	3756	CG1	ILE	A	415	9.380	3.452	27.440	1.00	0.21
ATOM	3757	CD1	ILE	A	415	10.537	3.177	28.391	1.00	0.15
ATOM	3758	C	ILE	A	415	9.107	5.320	24.080	1.00	0.01
ATOM	3759	O	ILE	A	415	10.024	4.907	23.359	1.00	0.01
ATOM	3760	N	THR	A	416	8.448	6.441	23.843	1.00	0.01
ATOM	3762	CA	THR	A	416	8.748	7.254	22.658	1.00	0.01
ATOM	3763	CB	THR	A	416	7.446	7.408	21.881	1.00	0.52
ATOM	3764	OG1	THR	A	416	6.945	6.101	21.629	1.00	1.01
ATOM	3765	CG2	THR	A	416	7.639	8.117	20.543	1.00	1.12
ATOM	3766	C	THR	A	416	9.325	8.625	23.019	1.00	0.01
ATOM	3767	O	THR	A	416	8.744	9.378	23.811	1.00	0.01
ATOM	3768	N	ASN	A	417	10.471	8.931	22.433	1.00	0.01
ATOM	3770	CA	ASN	A	417	11.125	10.229	22.628	1.00	0.00
ATOM	3771	CB	ASN	A	417	12.543	10.132	22.075	1.00	0.31
ATOM	3772	CG	ASN	A	417	13.254	11.475	22.170	1.00	0.35
ATOM	3773	OD1	ASN	A	417	13.106	12.332	21.287	1.00	0.53
ATOM	3774	ND2	ASN	A	417	13.993	11.651	23.247	1.00	0.80
ATOM	3777	C	ASN	A	417	10.368	11.324	21.886	1.00	0.01
ATOM	3778	O	ASN	A	417	10.458	11.428	20.654	1.00	0.01
ATOM	3779	N	LYS	A	418	9.838	12.264	22.652	1.00	0.01
ATOM	3781	CA	LYS	A	418	8.989	13.311	22.075	1.00	0.01
ATOM	3782	CB	LYS	A	418	7.784	13.572	22.980	1.00	0.76
ATOM	3783	CG	LYS	A	418	8.047	14.546	24.124	1.00	1.20
ATOM	3784	CD	LYS	A	418	6.753	14.809	24.889	1.00	1.77
ATOM	3785	CE	LYS	A	418	6.773	16.139	25.636	1.00	2.20
ATOM	3786	NZ	LYS	A	418	7.850	16.191	26.631	1.00	2.37
ATOM	3787	C	LYS	A	418	9.760	14.602	21.778	1.00	0.01
ATOM	3788	O	LYS	A	418	9.154	15.632	21.459	1.00	0.02
ATOM	3789	N	ALA	A	419	11.081	14.546	21.869	1.00	0.01
ATOM	3791	CA	ALA	A	419	11.903	15.688	21.458	1.00	0.00
ATOM	3792	CB	ALA	A	419	13.230	15.650	22.207	1.00	0.15

Table III (cont.)

ATOM	3793	C	ALA	A	419	12.154	15.589	19.955	1.00	0.00
ATOM	3794	O	ALA	A	419	12.447	16.585	19.283	1.00	0.01
ATOM	3795	N	THR	A	420	12.051	14.367	19.461	1.00	0.01
ATOM	3797	CA	THR	A	420	11.991	14.108	18.023	1.00	0.01
ATOM	3798	CB	THR	A	420	13.262	13.400	17.537	1.00	0.00
ATOM	3799	OG1	THR	A	420	13.774	12.554	18.563	1.00	0.01
ATOM	3800	CG2	THR	A	420	14.365	14.406	17.226	1.00	0.01
ATOM	3801	C	THR	A	420	10.714	13.325	17.713	1.00	0.01
ATOM	3802	O	THR	A	420	9.651	13.924	17.516	1.00	0.01
ATOM	3803	N	ASP	A	421	10.836	12.009	17.632	1.00	0.01
ATOM	3805	CA	ASP	A	421	9.695	11.108	17.393	1.00	0.01
ATOM	3806	CB	ASP	A	421	9.064	11.381	16.023	1.00	2.55
ATOM	3807	CG	ASP	A	421	10.108	11.518	14.905	1.00	2.84
ATOM	3808	OD1	ASP	A	421	11.024	10.706	14.858	1.00	3.45
ATOM	3809	OD2	ASP	A	421	10.035	12.509	14.201	1.00	2.99
ATOM	3810	C	ASP	A	421	10.143	9.649	17.489	1.00	0.01
ATOM	3811	O	ASP	A	421	9.368	8.722	17.223	1.00	0.01
ATOM	3812	N	GLY	A	422	11.387	9.459	17.893	1.00	0.01
ATOM	3814	CA	GLY	A	422	11.985	8.120	17.874	1.00	0.01
ATOM	3815	C	GLY	A	422	11.553	7.251	19.047	1.00	0.00
ATOM	3816	O	GLY	A	422	11.748	7.617	20.212	1.00	0.00
ATOM	3817	N	ILE	A	423	10.880	6.158	18.733	1.00	0.01
ATOM	3819	CA	ILE	A	423	10.570	5.162	19.763	1.00	0.00
ATOM	3820	CB	ILE	A	423	9.661	4.089	19.179	1.00	0.37
ATOM	3821	CG2	ILE	A	423	9.305	3.046	20.234	1.00	0.32
ATOM	3822	CG1	ILE	A	423	8.393	4.706	18.609	1.00	0.51
ATOM	3823	CD1	ILE	A	423	7.475	3.623	18.059	1.00	0.70
ATOM	3824	C	ILE	A	423	11.871	4.534	20.242	1.00	0.01
ATOM	3825	O	ILE	A	423	12.566	3.841	19.486	1.00	0.01
ATOM	3826	N	LEU	A	424	12.153	4.741	21.515	1.00	0.01
ATOM	3828	CA	LEU	A	424	13.420	4.322	22.094	1.00	0.01
ATOM	3829	CB	LEU	A	424	13.697	5.172	23.330	1.00	0.01
ATOM	3830	CG	LEU	A	424	13.710	6.667	23.041	1.00	0.01
ATOM	3831	CD1	LEU	A	424	13.732	7.462	24.342	1.00	0.01
ATOM	3832	CD2	LEU	A	424	14.884	7.057	22.149	1.00	0.01
ATOM	3833	C	LEU	A	424	13.331	2.880	22.544	1.00	0.01
ATOM	3834	O	LEU	A	424	14.291	2.125	22.369	1.00	0.01
ATOM	3835	N	PHE	A	425	12.153	2.486	23.003	1.00	0.01
ATOM	3837	CA	PHE	A	425	11.976	1.137	23.557	1.00	0.01
ATOM	3838	CB	PHE	A	425	12.132	1.207	25.071	1.00	0.01
ATOM	3839	CG	PHE	A	425	13.530	1.519	25.595	1.00	0.01
ATOM	3840	CD1	PHE	A	425	14.590	0.672	25.298	1.00	0.01
ATOM	3841	CE1	PHE	A	425	15.858	0.949	25.792	1.00	0.01
ATOM	3842	CZ	PHE	A	425	16.065	2.071	26.583	1.00	0.01
ATOM	3843	CE2	PHE	A	425	15.004	2.917	26.879	1.00	0.01
ATOM	3844	CD2	PHE	A	425	13.737	2.640	26.387	1.00	0.01
ATOM	3845	C	PHE	A	425	10.607	0.524	23.279	1.00	0.00
ATOM	3846	O	PHE	A	425	9.567	1.094	23.639	1.00	0.01
ATOM	3847	N	LEU	A	426	10.635	-0.688	22.751	1.00	0.00
ATOM	3849	CA	LEU	A	426	9.418	-1.500	22.604	1.00	0.01
ATOM	3850	CB	LEU	A	426	9.215	-1.912	21.153	1.00	0.28
ATOM	3851	CG	LEU	A	426	8.600	-0.791	20.330	1.00	0.43
ATOM	3852	CD1	LEU	A	426	8.368	-1.251	18.898	1.00	0.63
ATOM	3853	CD2	LEU	A	426	7.281	-0.350	20.949	1.00	1.00
ATOM	3854	C	LEU	A	426	9.490	-2.750	23.477	1.00	0.01
ATOM	3855	O	LEU	A	426	10.476	-3.502	23.442	1.00	0.01
ATOM	3856	N	GLY	A	427	8.422	-2.987	24.219	1.00	0.01
ATOM	3858	CA	GLY	A	427	8.407	-4.123	25.141	1.00	0.01

Table III (cont.)

ATOM	3859	C	GLY	A	427	7.051	-4.798	25.346	1.00	0.00
ATOM	3860	O	GLY	A	427	5.997	-4.354	24.873	1.00	0.01
ATOM	3861	N	LYS	A	428	7.120	-5.898	26.072	1.00	0.00
ATOM	3863	CA	LYS	A	428	5.944	-6.689	26.445	1.00	0.01
ATOM	3864	CB	LYS	A	428	5.789	-7.862	25.484	1.00	0.01
ATOM	3865	CG	LYS	A	428	4.595	-8.725	25.884	1.00	0.01
ATOM	3866	CD	LYS	A	428	4.667	-10.117	25.270	1.00	0.00
ATOM	3867	CE	LYS	A	428	4.692	-10.060	23.750	1.00	0.00
ATOM	3868	NZ	LYS	A	428	4.758	-11.416	23.186	1.00	0.01
ATOM	3869	C	LYS	A	428	6.127	-7.261	27.844	1.00	0.01
ATOM	3870	O	LYS	A	428	6.958	-8.157	28.051	1.00	0.01
ATOM	3871	N	VAL	A	429	5.333	-6.782	28.784	1.00	0.00
ATOM	3873	CA	VAL	A	429	5.387	-7.325	30.142	1.00	0.01
ATOM	3874	CB	VAL	A	429	5.105	-6.215	31.144	1.00	0.01
ATOM	3875	CG1	VAL	A	429	5.108	-6.750	32.572	1.00	0.00
ATOM	3876	CG2	VAL	A	429	6.132	-5.101	30.998	1.00	0.01
ATOM	3877	C	VAL	A	429	4.368	-8.447	30.294	1.00	0.00
ATOM	3878	O	VAL	A	429	3.173	-8.211	30.519	1.00	0.01
ATOM	3879	N	GLU	A	430	4.857	-9.666	30.153	1.00	0.02
ATOM	3881	CA	GLU	A	430	4.000	-10.843	30.270	1.00	0.01
ATOM	3882	CB	GLU	A	430	4.477	-11.877	29.261	1.00	0.30
ATOM	3883	CG	GLU	A	430	3.550	-13.085	29.206	1.00	0.57
ATOM	3884	CD	GLU	A	430	4.321	-14.244	28.598	1.00	0.25
ATOM	3885	OE1	GLU	A	430	3.692	-15.219	28.209	1.00	0.58
ATOM	3886	OE2	GLU	A	430	5.534	-14.216	28.754	1.00	0.26
ATOM	3887	C	GLU	A	430	4.096	-11.422	31.675	1.00	0.02
ATOM	3888	O	GLU	A	430	3.177	-12.097	32.153	1.00	0.01
ATOM	3889	N	ASN	A	431	5.220	-11.149	32.313	1.00	0.00
ATOM	3891	CA	ASN	A	431	5.443	-11.521	33.713	1.00	0.00
ATOM	3892	CB	ASN	A	431	5.740	-13.018	33.801	1.00	0.00
ATOM	3893	CG	ASN	A	431	5.920	-13.475	35.253	1.00	0.01
ATOM	3894	OD1	ASN	A	431	6.693	-12.891	36.026	1.00	0.02
ATOM	3895	ND2	ASN	A	431	5.257	-14.566	35.584	1.00	0.02
ATOM	3898	C	ASN	A	431	6.632	-10.736	34.246	1.00	0.02
ATOM	3899	O	ASN	A	431	7.777	-11.192	34.119	1.00	0.01
ATOM	3900	N	PRO	A	432	6.349	-9.732	35.060	1.00	0.00
ATOM	3901	CA	PRO	A	432	7.387	-8.783	35.483	1.00	0.02
ATOM	3902	CB	PRO	A	432	6.637	-7.649	36.110	1.00	0.02
ATOM	3903	CG	PRO	A	432	5.164	-8.012	36.211	1.00	0.01

Table III (cont.)

ATOM	3904	CD	PRO	A	432	5.016	-9.365	35.537	1.00	0.02
ATOM	3905	C	PRO	A	432	8.408	-9.346	36.479	1.00	0.01
ATOM	3906	O	PRO	A	432	9.515	-8.805	36.553	1.00	0.00
ATOM	3907	N	THR	A	433	8.145	-10.500	37.076	1.00	0.02
ATOM	3909	CA	THR	A	433	9.086	-11.048	38.054	1.00	0.01
ATOM	3910	CB	THR	A	433	8.340	-11.865	39.104	1.00	0.02
ATOM	3911	OG1	THR	A	433	7.900	-13.083	38.520	1.00	0.01
ATOM	3912	CG2	THR	A	433	7.136	-11.114	39.660	1.00	0.01
ATOM	3913	C	THR	A	433	10.127	-11.927	37.369	1.00	0.02
ATOM	3914	O	THR	A	433	11.161	-12.247	37.969	1.00	0.02
ATOM	3915	N	LYS	A	434	9.910	-12.226	36.098	1.00	0.01
ATOM	3917	CA	LYS	A	434	10.908	-12.974	35.324	1.00	0.02
ATOM	3918	CB	LYS	A	434	10.202	-13.816	34.268	1.00	2.22
ATOM	3919	CG	LYS	A	434	9.202	-14.782	34.891	1.00	2.65
ATOM	3920	CD	LYS	A	434	9.867	-15.756	35.857	1.00	2.62
ATOM	3921	CE	LYS	A	434	8.831	-16.644	36.534	1.00	3.30
ATOM	3922	NZ	LYS	A	434	9.470	-17.570	37.481	1.00	3.61
ATOM	3923	C	LYS	A	434	11.891	-12.016	34.651	1.00	0.02
ATOM	3924	O	LYS	A	434	11.859	-11.817	33.430	1.00	0.00
ATOM	3925	N	SER	A	435	12.761	-11.438	35.460	1.00	0.02
ATOM	3927	CA	SER	A	435	13.747	-10.479	34.960	1.00	0.02
ATOM	3928	CB	SER	A	435	13.389	-9.101	35.503	1.00	1.31
ATOM	3929	OG	SER	A	435	12.076	-8.780	35.062	1.00	1.94
ATOM	3930	C	SER	A	435	15.152	-10.861	35.411	1.00	0.02
ATOM	3931	O	SER	A	435	15.582	-10.351	36.435	1.00	0.01
ATOM	3932	OXT	SER	A	435	15.790	-11.618	34.691	1.00	0.01